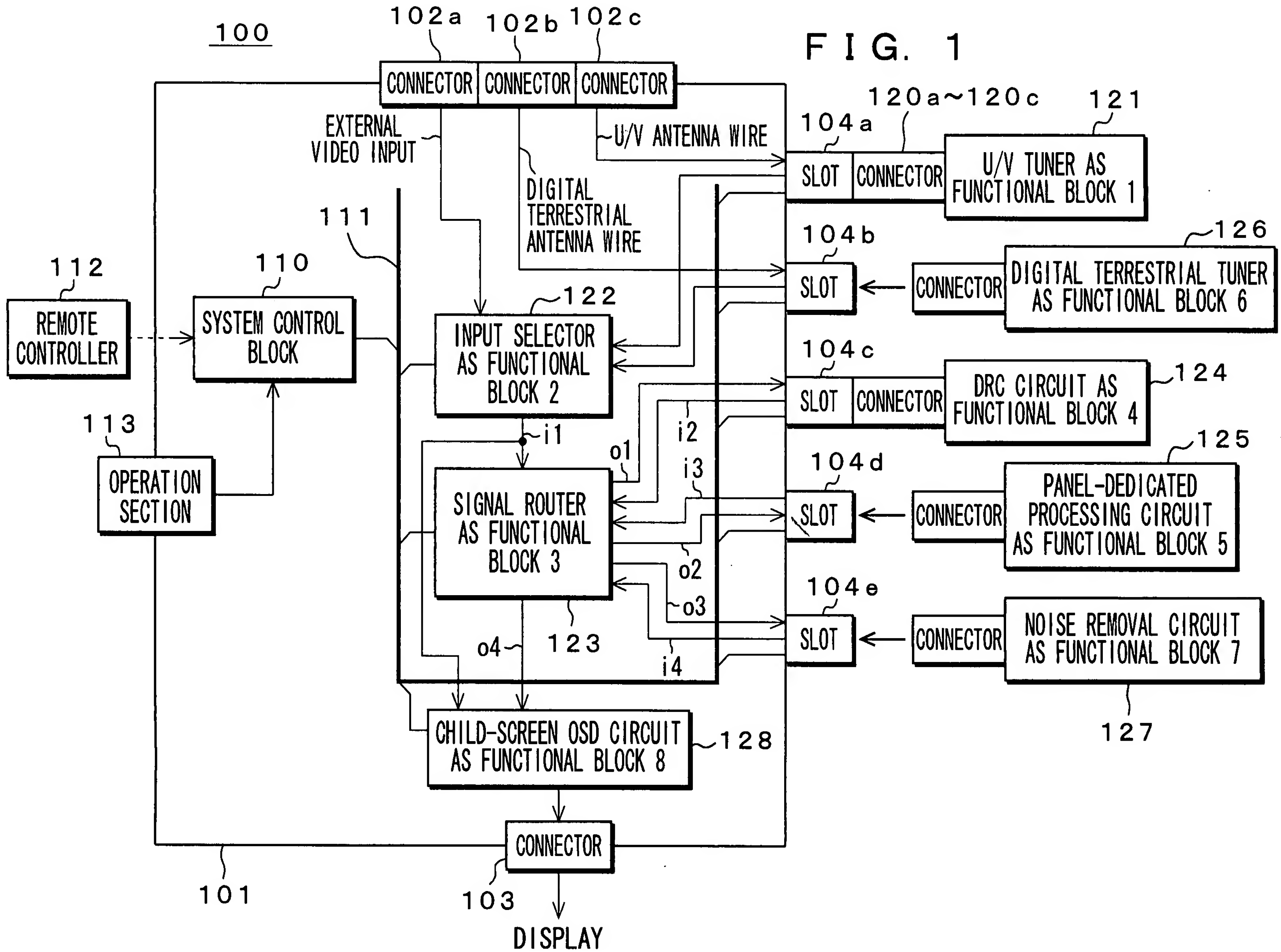
F I G. 1



S05P0338US00

FIG. 2

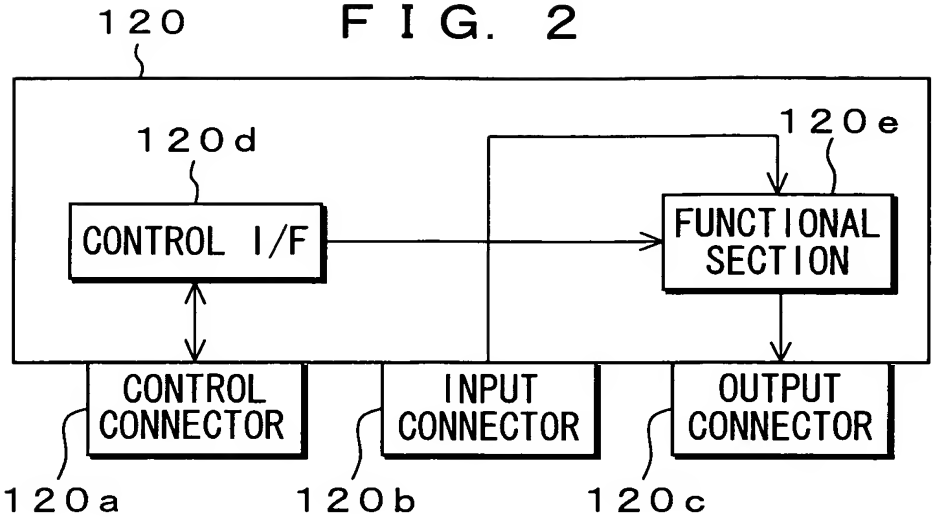


FIG. 3

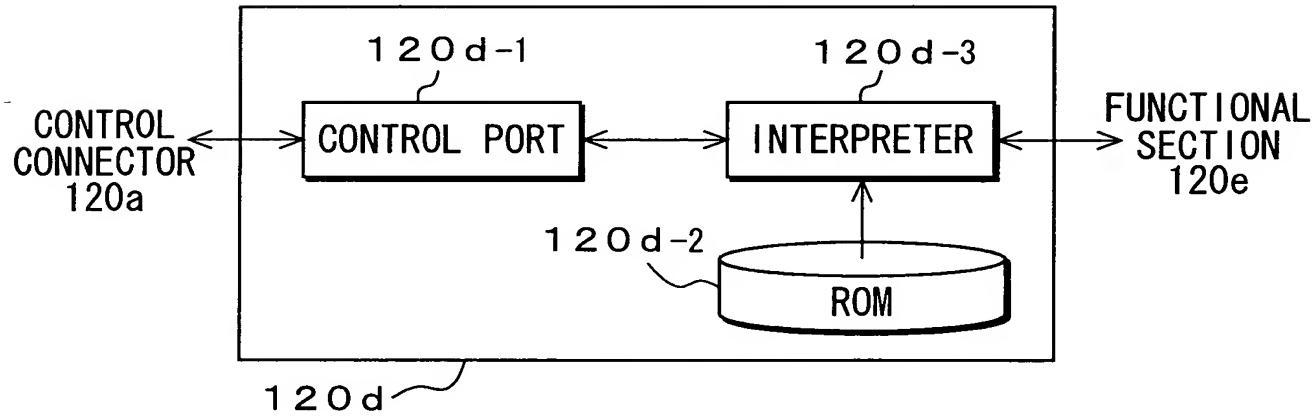


FIG. 4

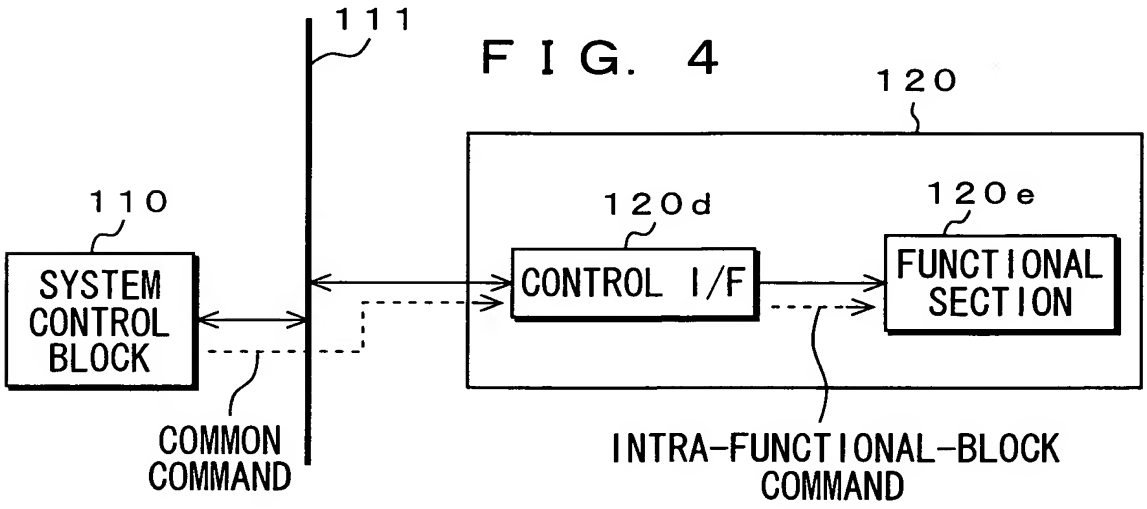


FIG. 5

COMMON COMMANDS	MEANING OF COMMON COMMANDS	INITIAL VALUES	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA-FUNCTIONAL-BLOCK COMMANDS
ch(1)-ch(12)	CHANNEL Nos. 1-12	LAST MEMORY	1:U/V TUNER	ch(1-12)	SWITCH OF CHANNEL
			8:CHILD-SCREEN OSD	writeInputUVch(1-12)	DISPLAY OF CHANNEL
in(1)-in(3)	1: UHF/VHF; 2: DIGITAL TERRESTRIAL; 3: VIDEO	LAST MEMORY	2:INPUT SELECTOR	in(1-3)	SWITCH OF INPUT
			8:CHILD-SCREEN OSD	writeInput(1-3)	DISPLAY OF INPUT
DRCvolExec (on/off)	SWITCH OF DRC VOLUME PROCESSING	DRCvolExec (on)	8:CHILD-SCREEN OSD	writeProcessVol(on/off)	DISPLAY OF DRC VOLUME PROCESSING
				displayInput(in1/in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
				displaySize(in1, size1)/displaySize(in2, size1)	IMAGE SIZE
DRCvol (resolutionVal, noiseVal)	ADJUSTMENT OF DRC RESULTION AXIS AND NOISE AXIS	LAST MEMORY	4:DRC	volume(resolutionVal, noiseVal)	SUBSTITUTION OF DRC (RESOLUTION AXIS, NOISE AXIS) VOLUME VALUE
			8:CHILD-SCREEN OSD	writeProcessDRCvol(resolutionVal, noiseVal)	DISPLAY OF DRC VOLUME VALUE
			7:NOISE REMOVAL	noiseSuppress(noiseVal)	SUBSTITUTION OF NOISE SUPPRESSION VALUE
DRCzoomExec (on/off)	SWITCH OF DRC ZOOM PROCESSING	DRCzoomExec (off)	4:DRC	zoom(InitRatio/1, InitHol/0, InitVer/0)	SUBSTITUTION OF DRC ZOOM INITIAL VALUE
			8:CHILD-SCREEN OSD	writeProcessZoom(on/off)	DISPLAY OF DRC ZOOM PROCESSING
				displayInput(in1, in2/in1 or in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
				displaySize(in1, size1), displaySize(in2, size0.25) /displaySize(in1 or in2, size1)	IMAGE SIZE
				writeZoomFrame(InitRatio, InitHol, InitVer/off)	DISPLAY OF ZOOM FRAME ON CHILD SCREEN
				writeProcessDRCzoom(InitRatio, InitHol, InitVer /off)	DISPLAY OF INITIAL VALUES OF DRC ZOOM RATIO AND POSITIONS
DRCzoom(ratioVal, holizontalVal, verticalVal)	ADJUSTMENT OF DRC ZOOM RATIO AND POSITIONS	DRCzoom (InitRatio, InitHol, initVer)	4:DRC	zoom(ratioVal, holizontalVal, verticalVal)	SUBSTITUTION OF DRC ZOOM VALUE
			8:CHILD-SCREEN OSD	writeZoomFrame(ratioVal, holizontalVal , verticalVal)	DISPLAY OF ZOOM FRAME ON CHILD SCREEN
				writeProcessDRCzoom(ratioVal, holizontalVal , verticalVal)	DISPLAY OF DRC ZOOM RATIO AND POSITIONS
InitializeConnect (1/2/3/4/5)	INTER-FUNCTIONAL-BLOCK CONNECTIONS 1-5		3:SIGNAL ROUTER	route(1/2/3)	SWITCH OF INTER-PROCESSING-SUBSTRATE CONNECTION
			8:CHILD-SCREEN OSD	writeRoute(1/2/3/4/5)	DISPLAY OF CONNECTION STATUS

FIG. 6

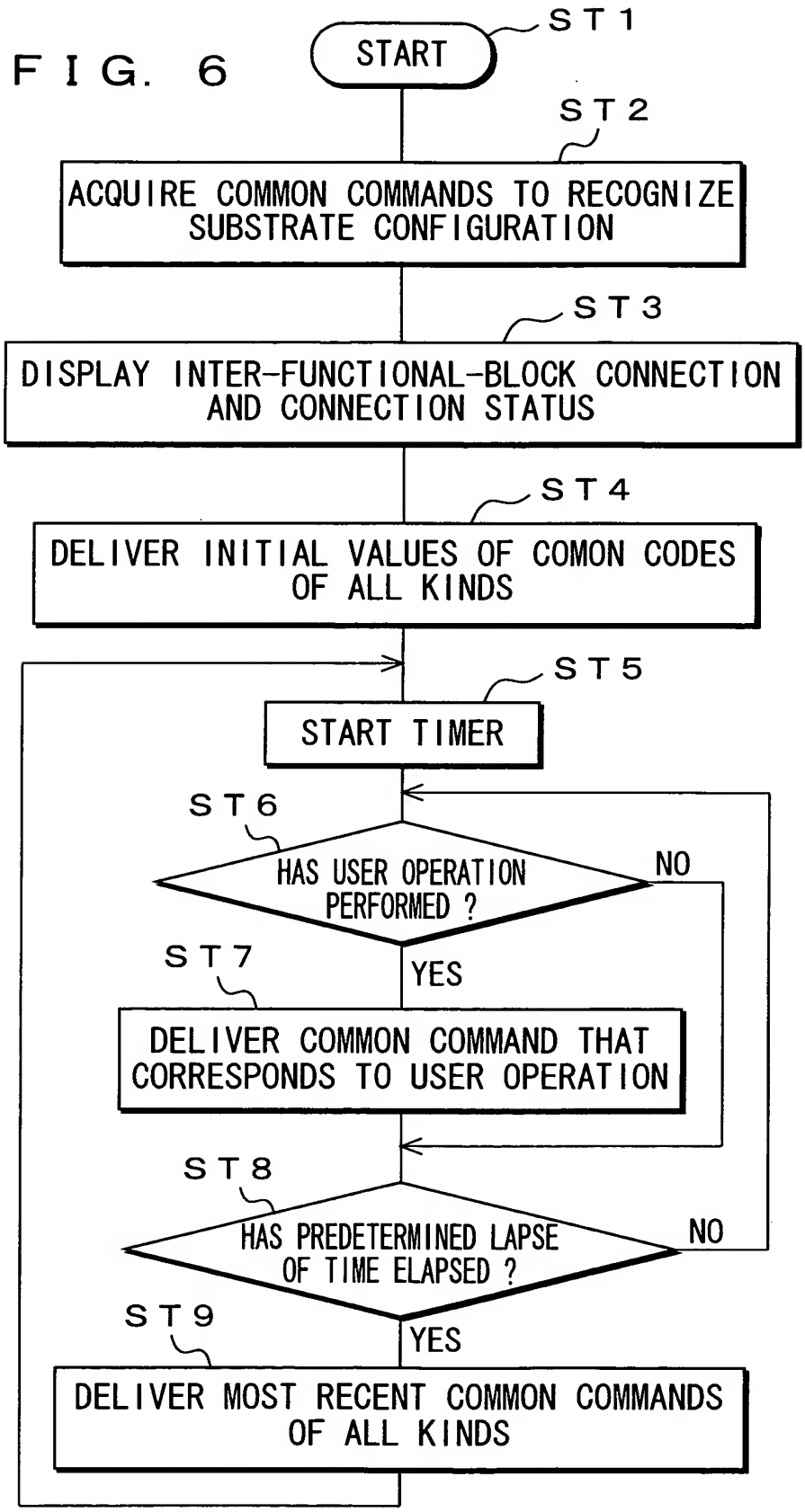

START
ST1
ST2
ACQUIRE COMMON COMMANDS TO RECOGNIZE SUBSTRATE CONFIGURATION
ST3
DISPLAY INTER-FUNCTIONAL-BLOCK CONNECTION AND CONNECTION STATUS
ST4
DELIVER INITIAL VALUES OF COMON CODES OF ALL KINDS
ST5
START TIMER
ST6
HAS USER OPERATION PERFORMED ?
NO
YES
ST7
DELIVER COMMON COMMAND THAT CORRESPONDS TO USER OPERATION
ST8
HAS PREDETERMINED LAPSE OF TIME ELAPSED ?
NO
YES
ST9
DELIVER MOST RECENT COMMON COMMANDS OF ALL KINDS

FIG. 7

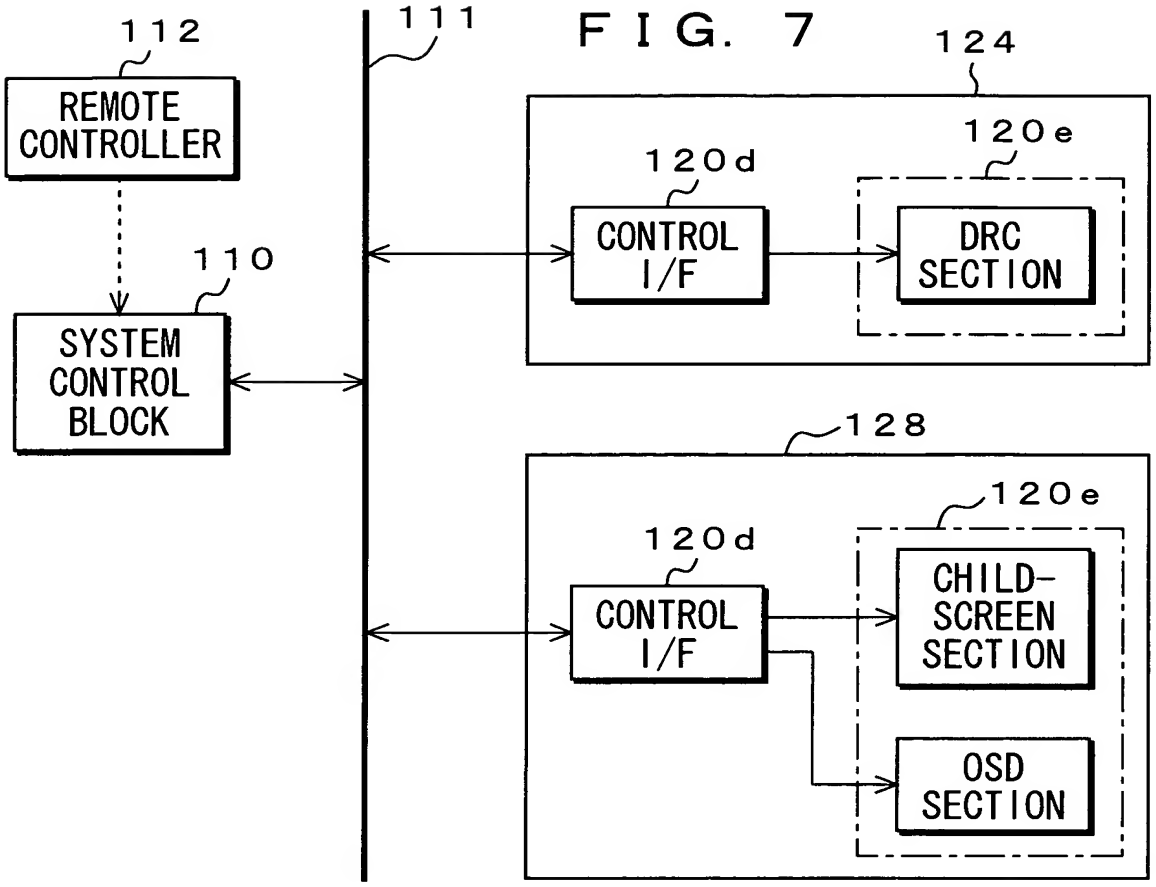

112
REMOTE CONTROLLER
110
SYSTEM CONTROL BLOCK
111
124
120d
CONTROL I/F
120e
DRC SECTION
128
120d
CONTROL I/F
120e
CHILD-SCREEN SECTION
OSD SECTION

FIG. 8

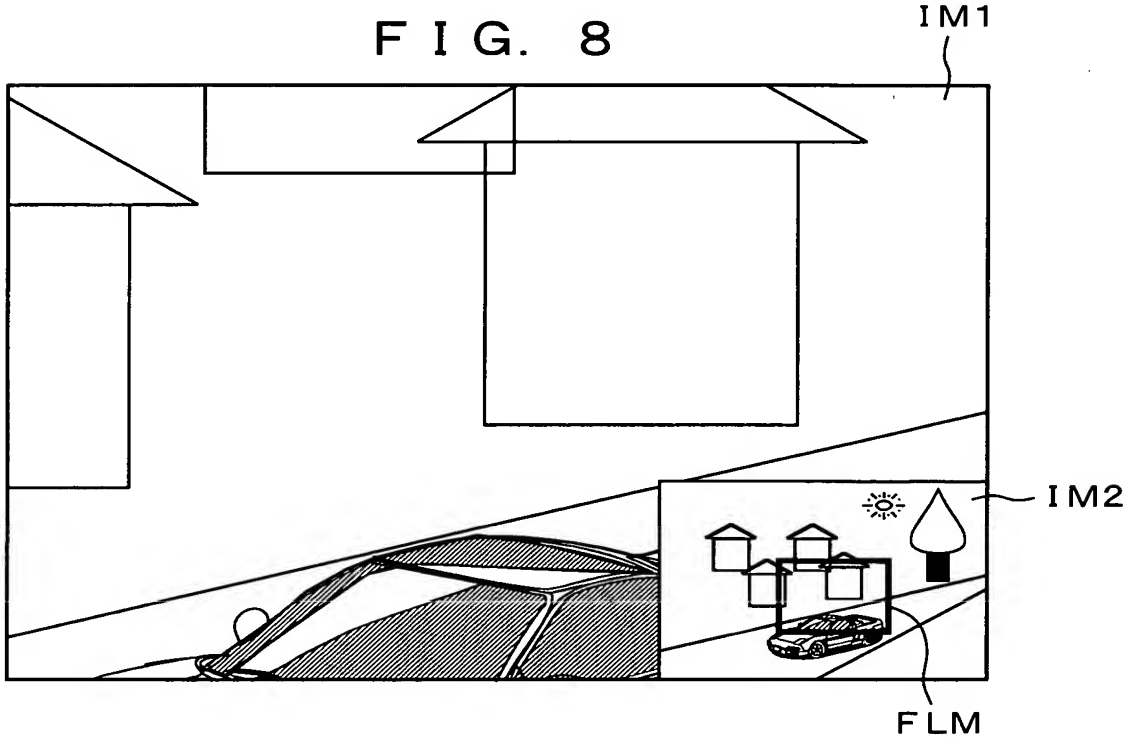

IM1
IM2
FLM

FIG. 9

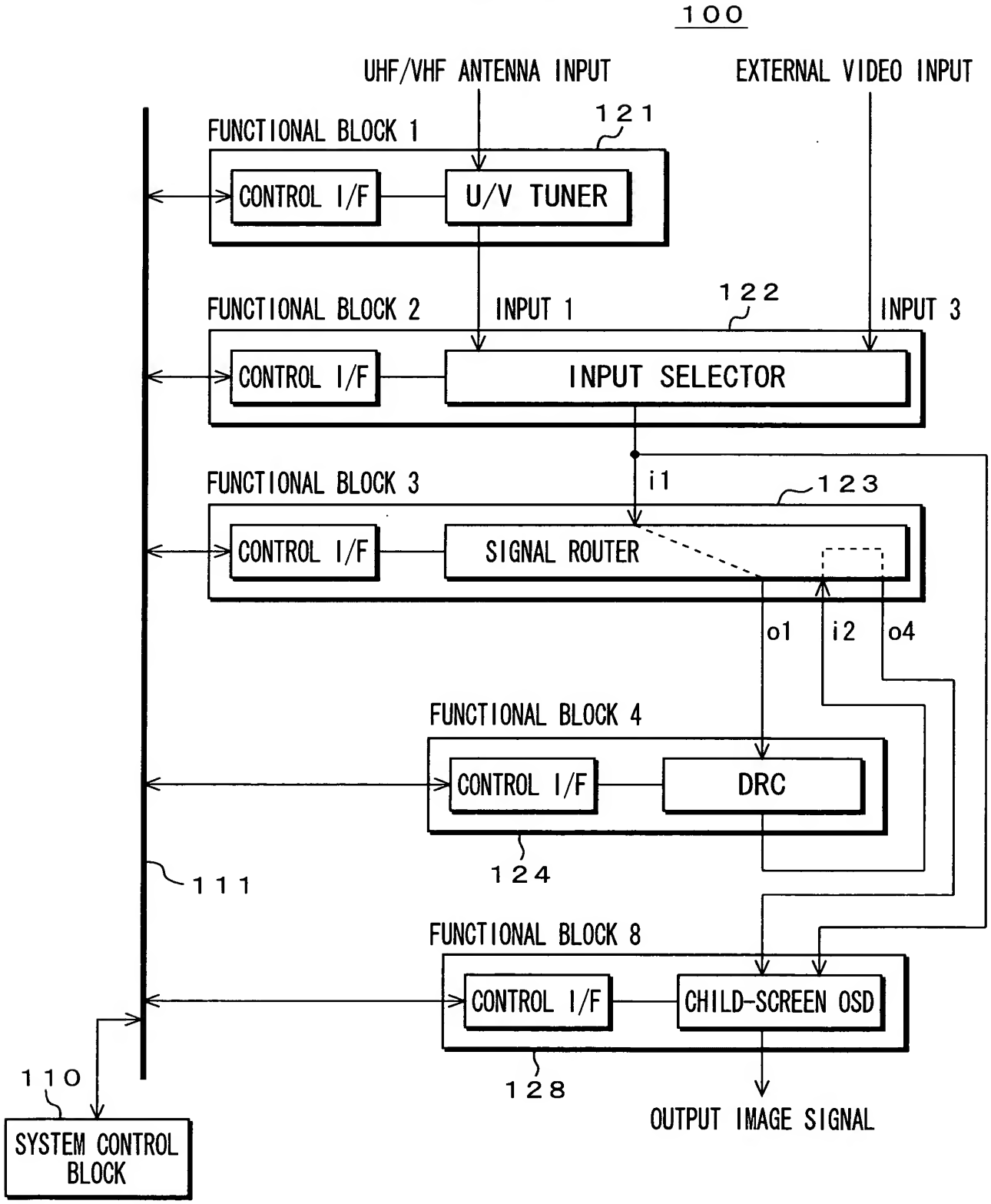

100
UHF/VHF ANTENNA INPUT
EXTERNAL VIDEO INPUT
121
FUNCTIONAL BLOCK 1
CONTROL I/F
U/V TUNER
122
FUNCTIONAL BLOCK 2
INPUT 1
INPUT 3
CONTROL I/F
INPUT SELECTOR
FUNCTIONAL BLOCK 3
i1
123
CONTROL I/F
SIGNAL ROUTER
o1
i2
o4
FUNCTIONAL BLOCK 4
CONTROL I/F
DRC
124
111
FUNCTIONAL BLOCK 8
CONTROL I/F
CHILD-SCREEN OSD
128
OUTPUT IMAGE SIGNAL
110
SYSTEM CONTROL BLOCK

FIG. 10

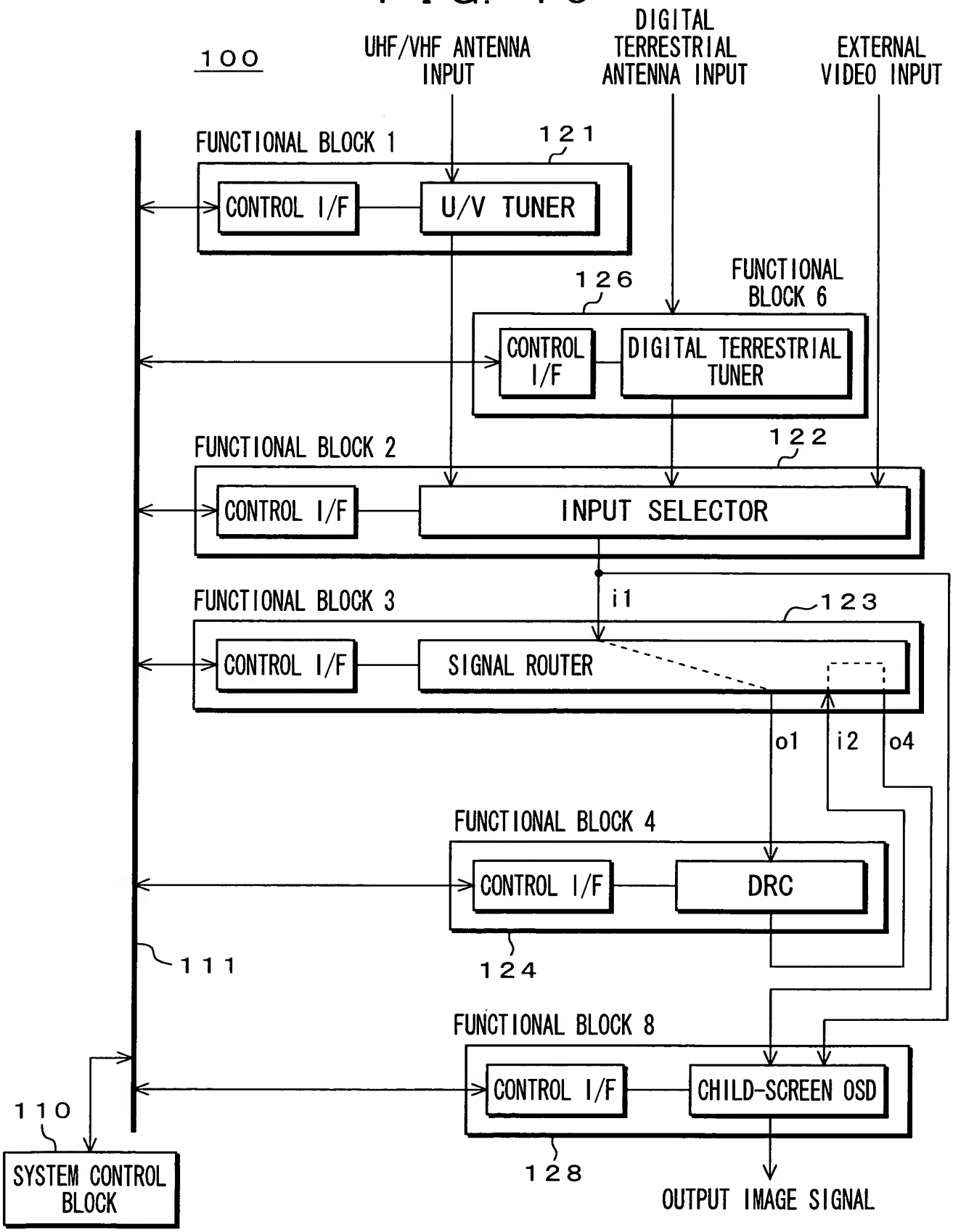

100
UHF/VHF ANTENNA INPUT
DIGITAL TERRESTRIAL ANTENNA INPUT
EXTERNAL VIDEO INPUT
FUNCTIONAL BLOCK 1
121
CONTROL I/F
U/V TUNER
126
FUNCTIONAL BLOCK 6
CONTROL I/F
DIGITAL TERRESTRIAL TUNER
FUNCTIONAL BLOCK 2
122
CONTROL I/F
INPUT SELECTOR
FUNCTIONAL BLOCK 3
i1
123
CONTROL I/F
SIGNAL ROUTER
o1
i2
o4
FUNCTIONAL BLOCK 4
CONTROL I/F
DRC
124
111
FUNCTIONAL BLOCK 8
CONTROL I/F
CHILD-SCREEN OSD
128
110
SYSTEM CONTROL BLOCK
OUTPUT IMAGE SIGNAL

FIG. 11

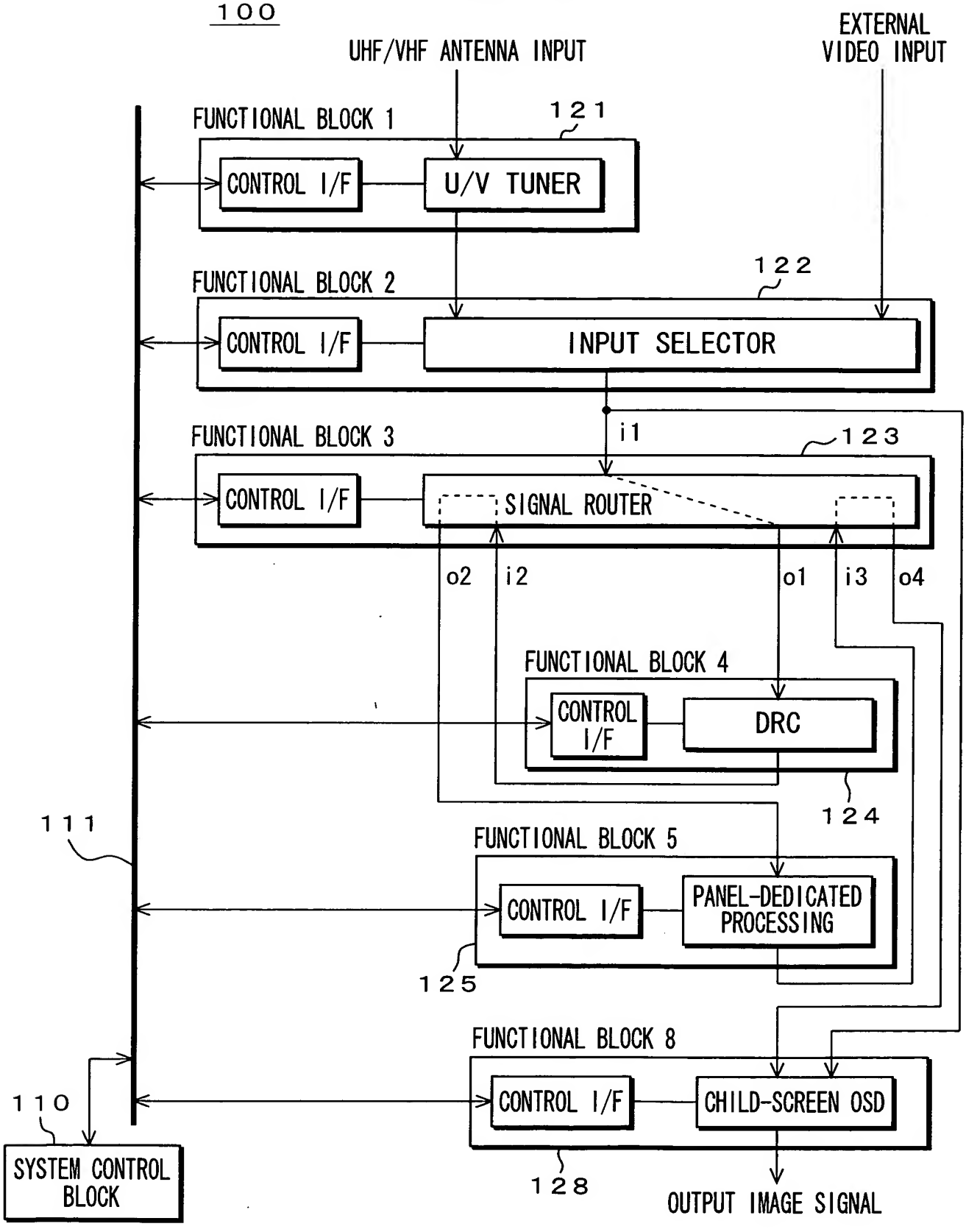

100
UHF/VHF ANTENNA INPUT
EXTERNAL VIDEO INPUT
FUNCTIONAL BLOCK 1
121
CONTROL I/F
U/V TUNER
FUNCTIONAL BLOCK 2
122
CONTROL I/F
INPUT SELECTOR
FUNCTIONAL BLOCK 3
i1
123
CONTROL I/F
SIGNAL ROUTER
o2
i2
o1
i3
o4
FUNCTIONAL BLOCK 4
CONTROL I/F
DRC
124
111
FUNCTIONAL BLOCK 5
CONTROL I/F
PANEL-DEDICATED PROCESSING
125
FUNCTIONAL BLOCK 8
CONTROL I/F
CHILD-SCREEN OSD
110
SYSTEM CONTROL BLOCK
128
OUTPUT IMAGE SIGNAL

FIG. 12

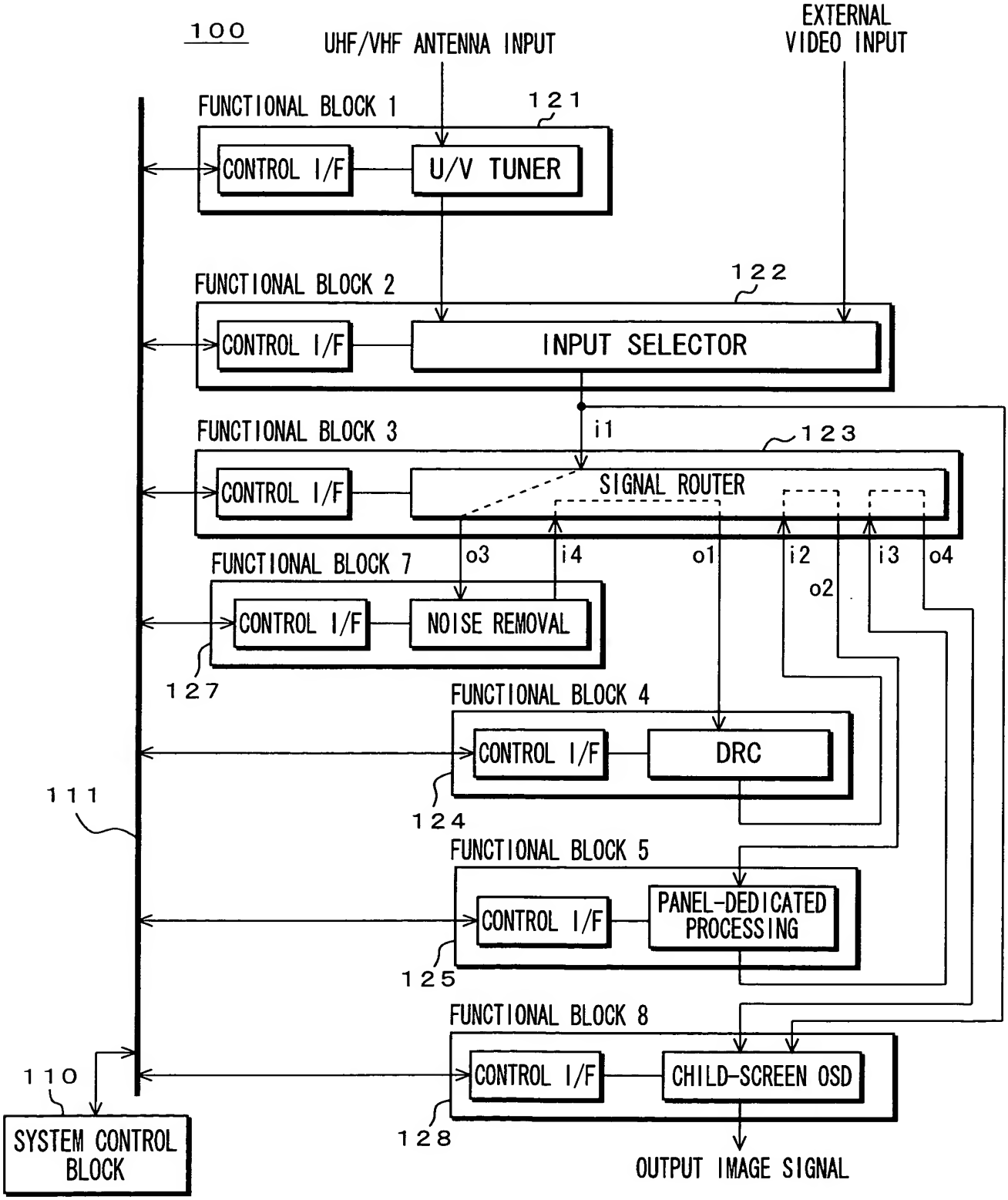

100
UHF/VHF ANTENNA INPUT
EXTERNAL VIDEO INPUT
FUNCTIONAL BLOCK 1
121
CONTROL I/F
U/V TUNER
FUNCTIONAL BLOCK 2
122
CONTROL I/F
INPUT SELECTOR
FUNCTIONAL BLOCK 3
i1
123
CONTROL I/F
SIGNAL ROUTER
o3
i4
o1
i2
o2
i3
o4
FUNCTIONAL BLOCK 7
CONTROL I/F
NOISE REMOVAL
127
FUNCTIONAL BLOCK 4
CONTROL I/F
DRC
124
111
FUNCTIONAL BLOCK 5
CONTROL I/F
PANEL-DEDICATED PROCESSING
125
FUNCTIONAL BLOCK 8
CONTROL I/F
CHILD-SCREEN OSD
128
110
SYSTEM CONTROL BLOCK
OUTPUT IMAGE SIGNAL

FIG. 13

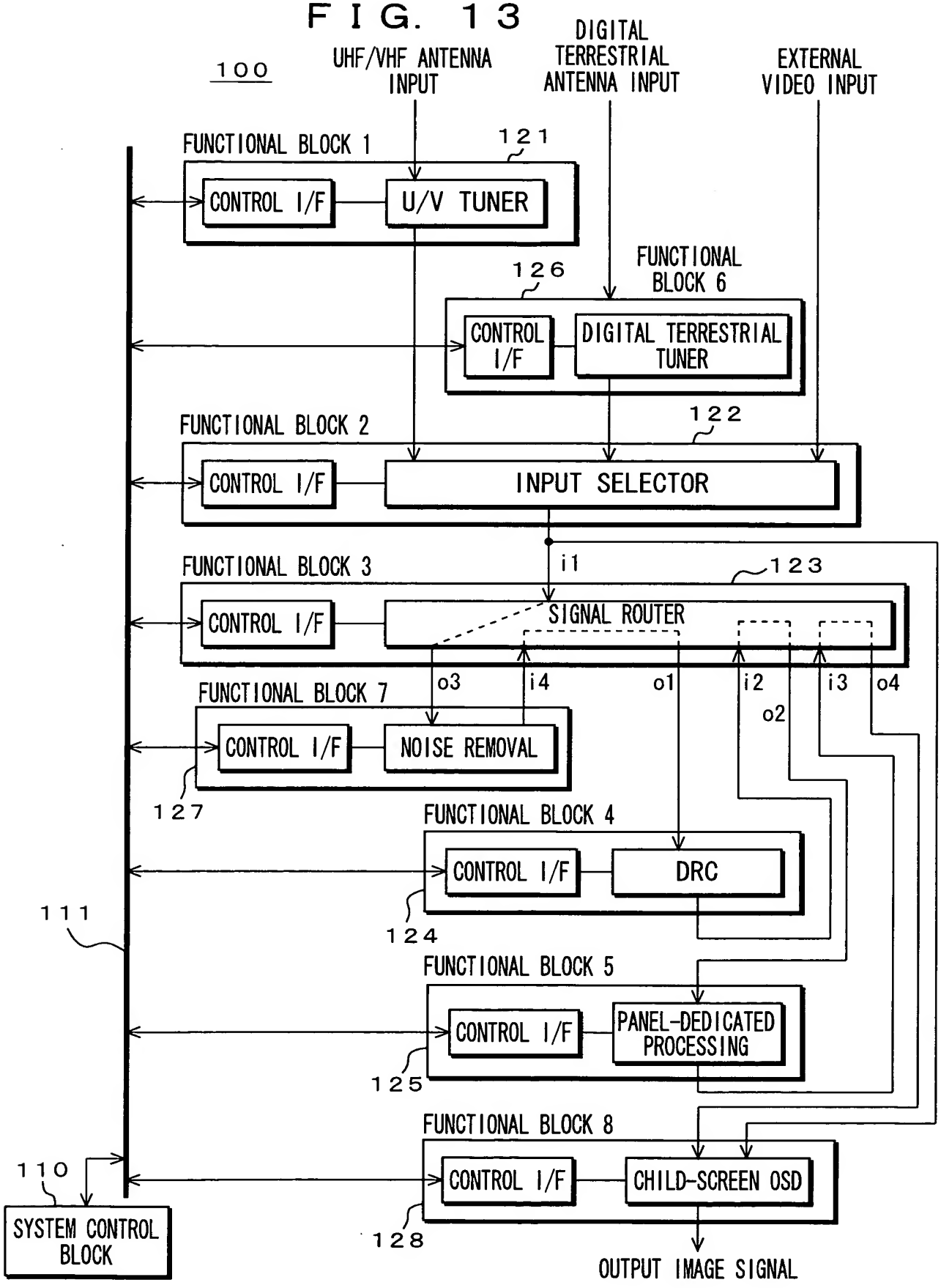

100
UHF/VHF ANTENNA INPUT
DIGITAL TERRESTRIAL ANTENNA INPUT
EXTERNAL VIDEO INPUT
FUNCTIONAL BLOCK 1
121
CONTROL I/F
U/V TUNER
126
FUNCTIONAL BLOCK 6
CONTROL I/F
DIGITAL TERRESTRIAL TUNER
FUNCTIONAL BLOCK 2
122
CONTROL I/F
INPUT SELECTOR
FUNCTIONAL BLOCK 3
i1
123
CONTROL I/F
SIGNAL ROUTER
o3
i4
o1
i2
o2
i3
o4
FUNCTIONAL BLOCK 7
CONTROL I/F
NOISE REMOVAL
127
FUNCTIONAL BLOCK 4
CONTROL I/F
DRC
124
111
FUNCTIONAL BLOCK 5
CONTROL I/F
PANEL-DEDICATED PROCESSING
125
FUNCTIONAL BLOCK 8
CONTROL I/F
CHILD-SCREEN OSD
128
110
SYSTEM CONTROL BLOCK
OUTPUT IMAGE SIGNAL

FIG. 14A

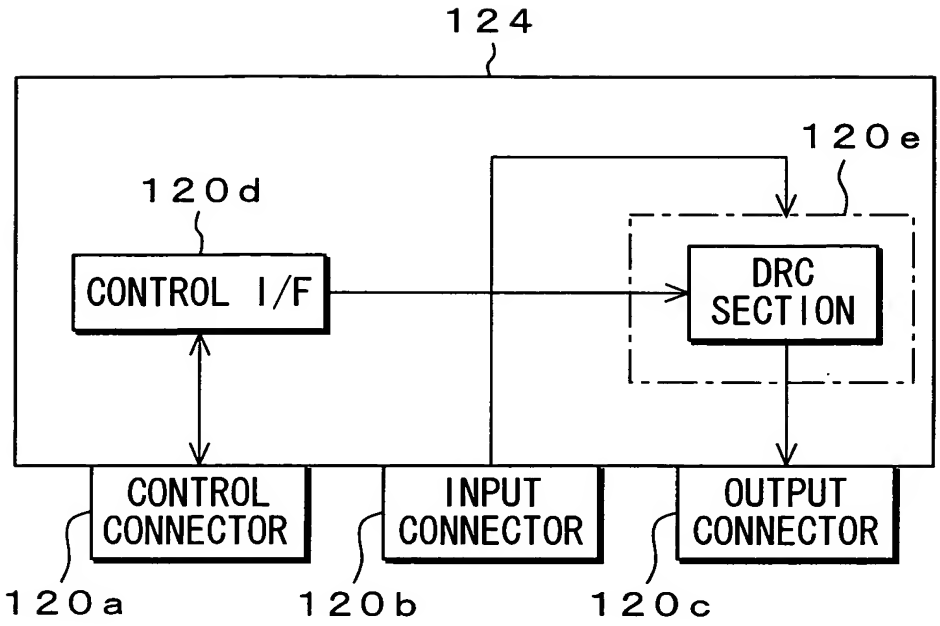


FIG. 14B

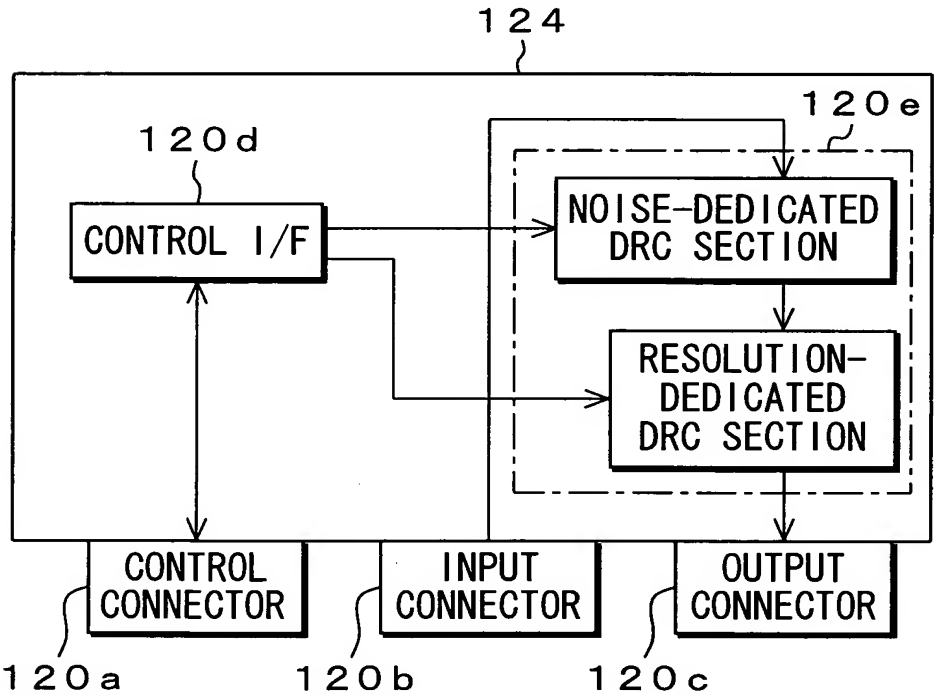


FIG. 15

COMMON COMMANDS	MEANING OF COMMON COMMANDS	INITIAL VALUES	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA-FUNCTIONAL-BLOCK COMMANDS
DRCvol (resolutionVal ,noiseVal)	ADJUSTMENT OF DRC RESOLUTION AXIS AND NOISE AXIS	LAST MEMORY	4:DRC (VERSION UPGRADE)	volumeResolution (resolutionVal)	SUBSTITUTION OF DRC (RESOLUTION AXIS) VOLUME VALUE
				volumeNoise(noiseVal)	SUBSTITUTION OF DRC (NOISE AXIS) VOLUME VALUE
DRCzoomExec (on/off)	SWITCH OF DRC ZOOM PROCESSING	DRCzoomExec(off)	4:DRC (VERSION UPGRADE)	zoom(InitRatio/1, InitHol/0, InitVer/0)	SUBSTITUTION OF DRC ZOOM INITIAL VALUE
DRCzoom(ratioVal, holizontalVal, verticalVal)	ADJUSTMENT OF DRC ZOOM RATIO AND POSITIONS	DRCzoom (InitRatio, InitHol, initVer)	4:DRC (VERSION UPGRADE)	zoom(ratioVal, holizontalVal, verticalVal)	SUBSTITUTION OF DRC ZOOM VALUE

FIG. 16

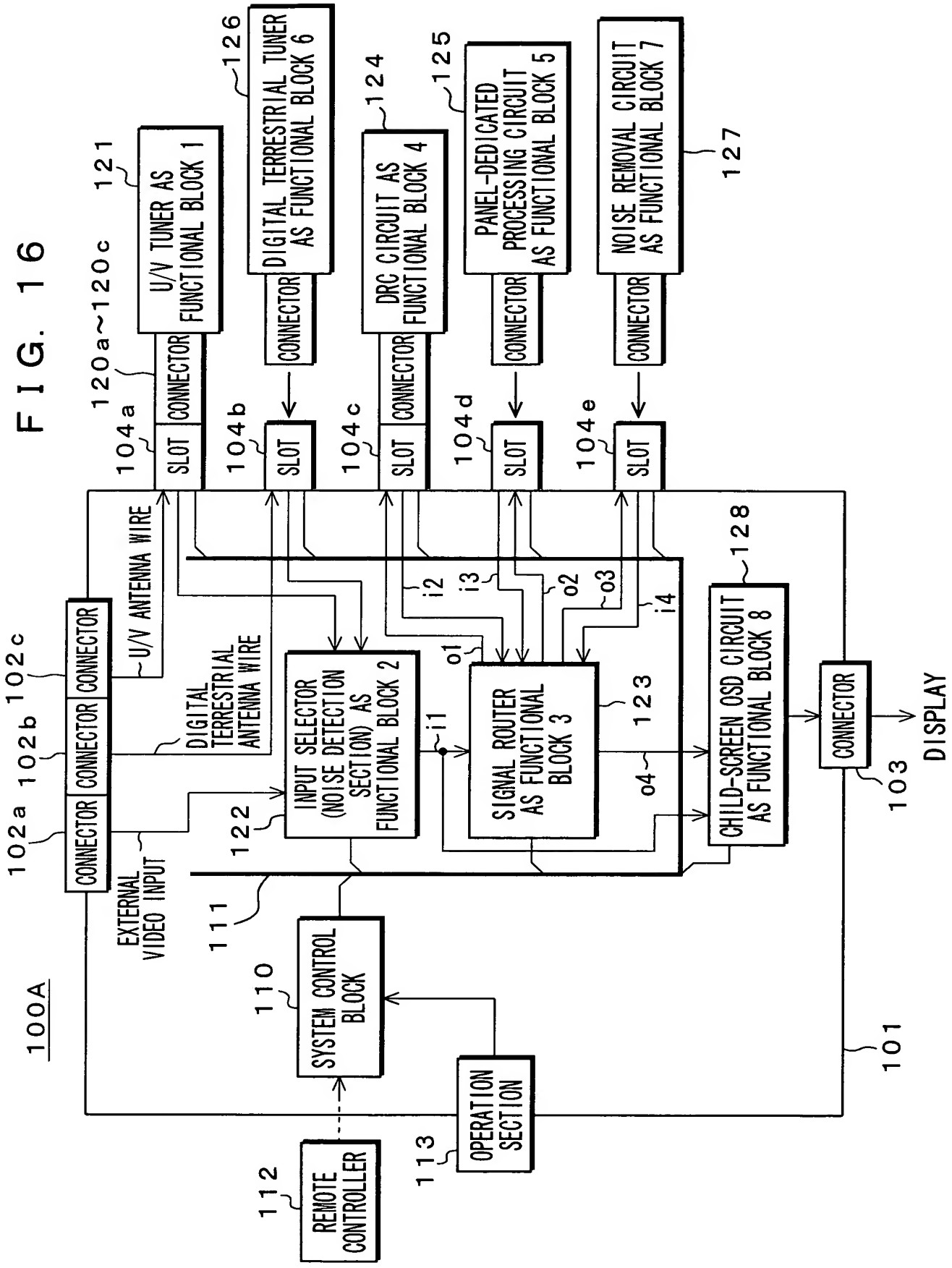

100A
101
102a
102b
102c
103
104a
104b
104c
104d
104e
110
111
112
113
120a~120c
121
122
123
124
125
126
127
128
i1
i2
i3
i4
o1
o2
o3
o4
CONNECTOR
SLOT
U/V TUNER AS FUNCTIONAL BLOCK 1
DIGITAL TERRESTRIAL TUNER AS FUNCTIONAL BLOCK 6
DRC CIRCUIT AS FUNCTIONAL BLOCK 4
PANEL-DEDICATED PROCESSING CIRCUIT AS FUNCTIONAL BLOCK 5
NOISE REMOVAL CIRCUIT AS FUNCTIONAL BLOCK 7
U/V ANTENNA WIRE
DIGITAL TERRESTRIAL ANTENNA WIRE
EXTERNAL VIDEO INPUT
INPUT SELECTOR (NOISE DETECTION SECTION) AS FUNCTIONAL BLOCK 2
SIGNAL ROUTER AS FUNCTIONAL BLOCK 3
CHILD-SCREEN OSD CIRCUIT AS FUNCTIONAL BLOCK 8
SYSTEM CONTROL BLOCK
OPERATION SECTION
REMOTE CONTROLLER
DISPLAY

FIG. 17

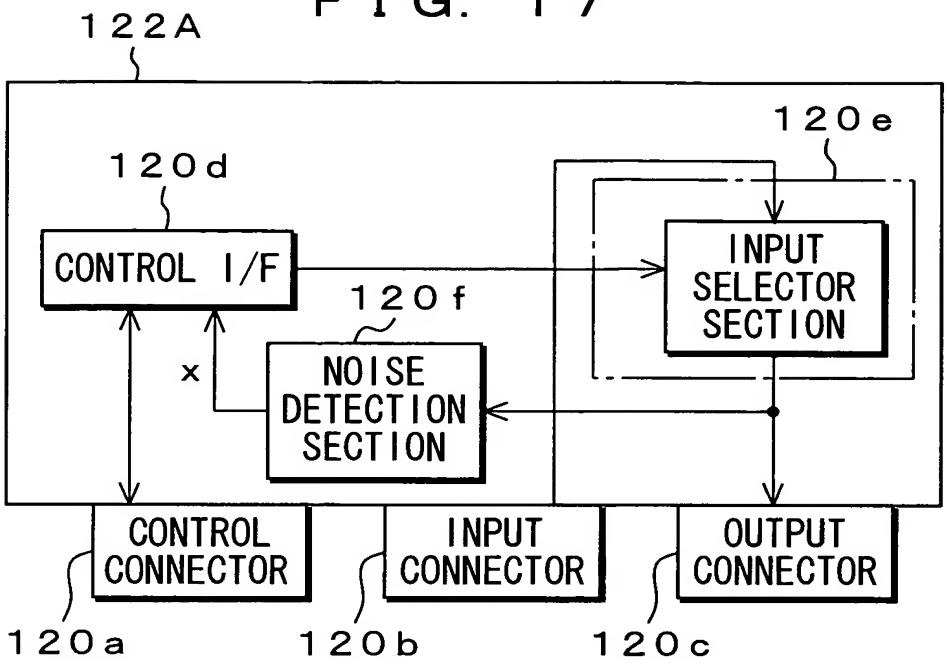

122A
120e
120d
CONTROL I/F
INPUT SELECTOR SECTION
120f
x
NOISE DETECTION SECTION
CONTROL CONNECTOR
INPUT CONNECTOR
OUTPUT CONNECTOR
120a
120b
120c

FIG. 18

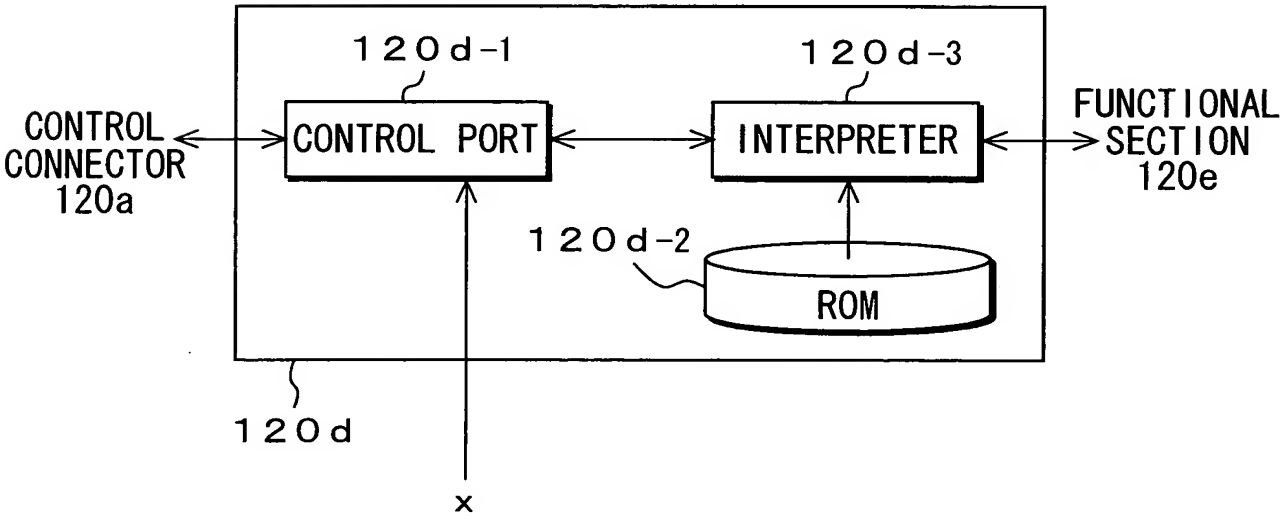

120d-1
120d-3
CONTROL CONNECTOR 120a
CONTROL PORT
INTERPRETER
FUNCTIONAL SECTION 120e
120d-2
ROM
120d
x

FIG. 19

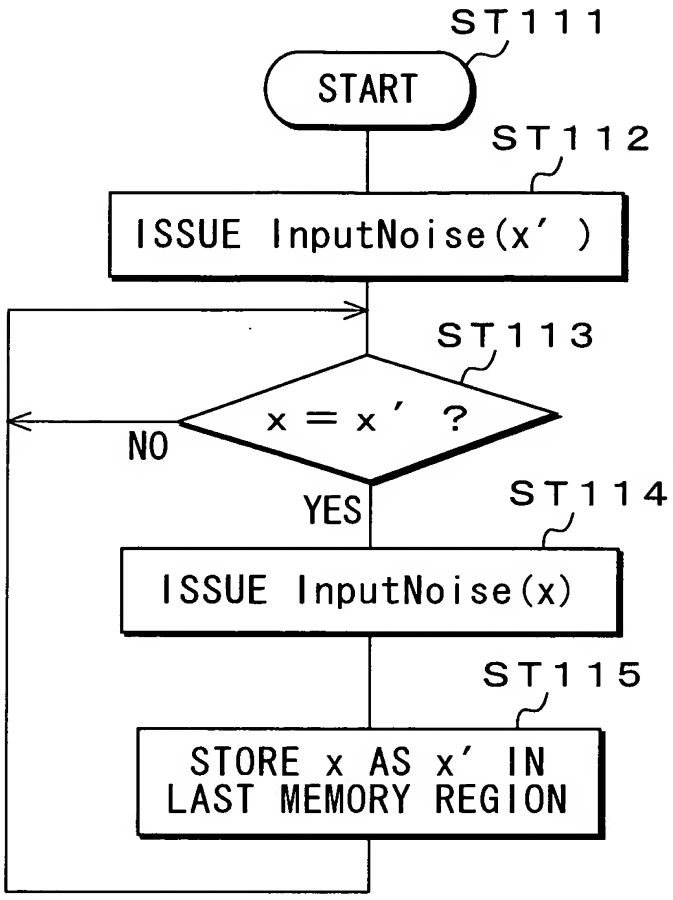


FIG. 20

COMMON COMMAND	MEANING OF COMMON COMMAND	INITIAL VALUE	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA-FUNCTIONAL-BLOCK COMMANDS
InputNoise (0-9)	INPUT NOISE LEVEL	LAST MEMORY	4:DRC	volumeNoise (noiseVal)	SUBSTITUTION OF DRC (NOISE AXIS) VOLUME VALUE
			7:NOISE REMOVAL	noiseSuppress (0-9)	SUBSTITUTION OF NOISE SUPPRESSION VALUE
			3:SIGNAL ROUTER	route(3/4)	SWITCH OF INTER-PROCESSING-SUBSTRATE CONNECTION
			8:CHILD-SCREEN OSD	writeInputNoise (0-9)	DISPLAY OF INPUT NOISE LEVEL

FIG. 21

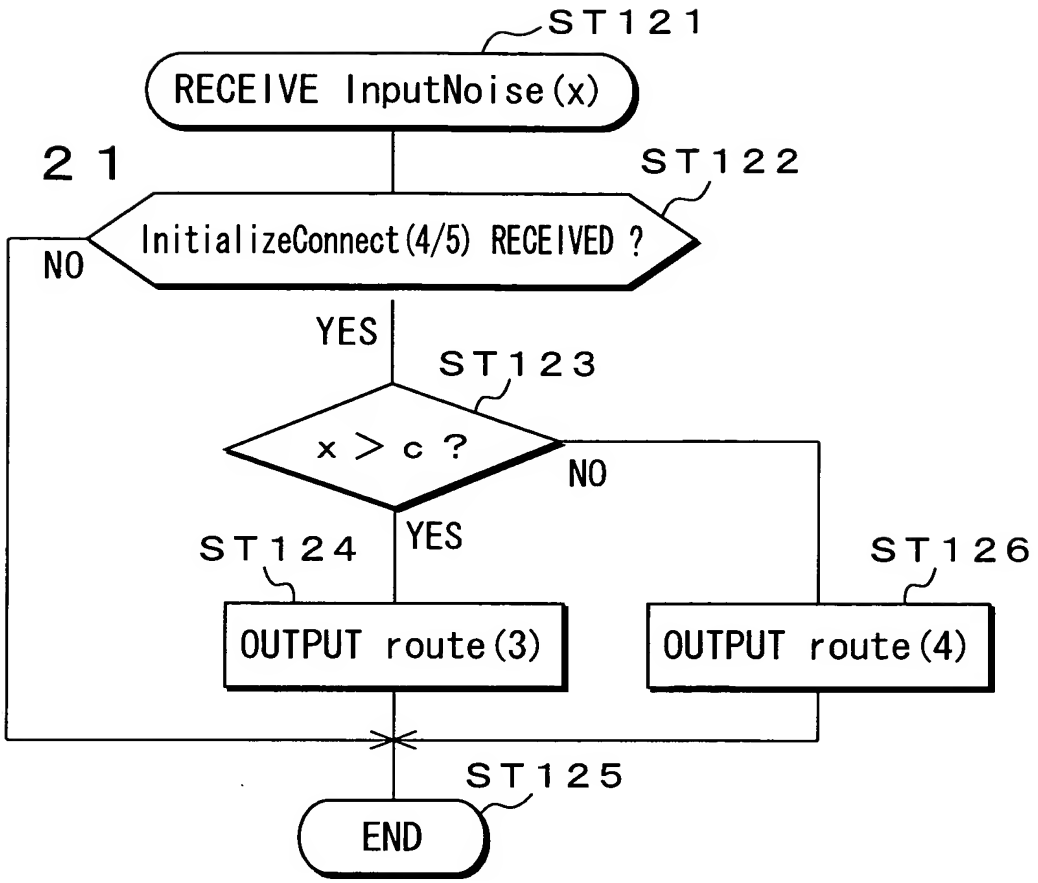

ST121
RECEIVE InputNoise(x)
ST122
InitializeConnect(4/5) RECEIVED ?
NO
YES
ST123
x > c ?
NO
YES
ST124
ST126
OUTPUT route(3)
OUTPUT route(4)
ST125
END

FIG. 22

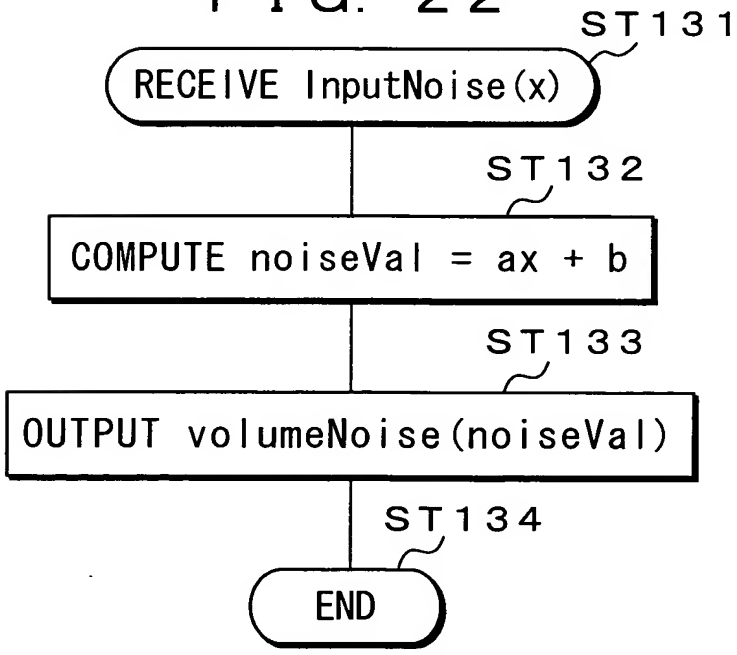

ST131
RECEIVE InputNoise(x)
ST132
COMPUTE noiseVal = ax + b
ST133
OUTPUT volumeNoise(noiseVal)
ST134
END

FIG. 23

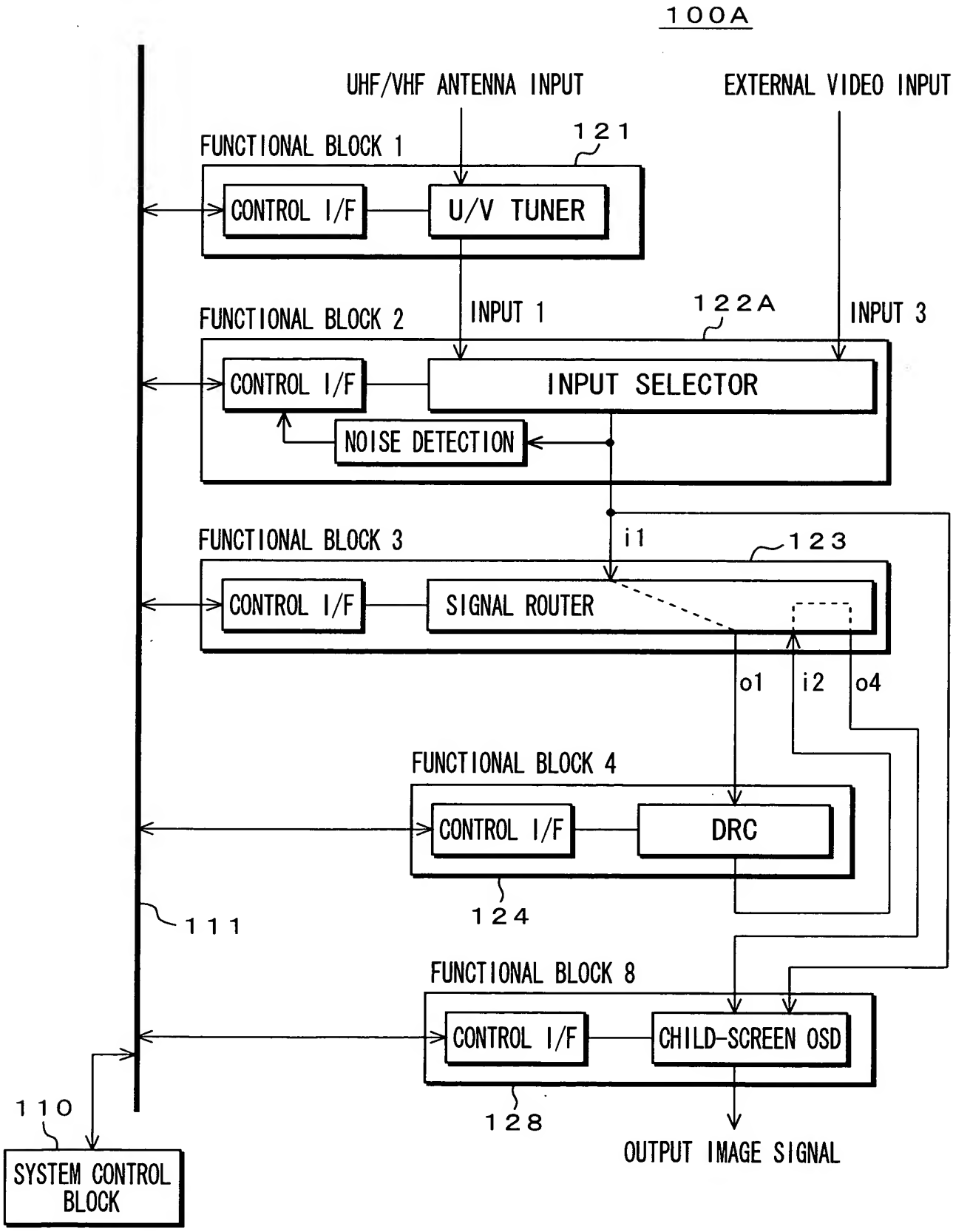

100A
UHF/VHF ANTENNA INPUT
EXTERNAL VIDEO INPUT
FUNCTIONAL BLOCK 1
121
CONTROL I/F
U/V TUNER
FUNCTIONAL BLOCK 2
INPUT 1
122A
INPUT 3
CONTROL I/F
INPUT SELECTOR
NOISE DETECTION
FUNCTIONAL BLOCK 3
i1
123
CONTROL I/F
SIGNAL ROUTER
o1
i2
o4
FUNCTIONAL BLOCK 4
CONTROL I/F
DRC
124
111
FUNCTIONAL BLOCK 8
CONTROL I/F
CHILD-SCREEN OSD
128
OUTPUT IMAGE SIGNAL
110
SYSTEM CONTROL BLOCK

FIG. 24

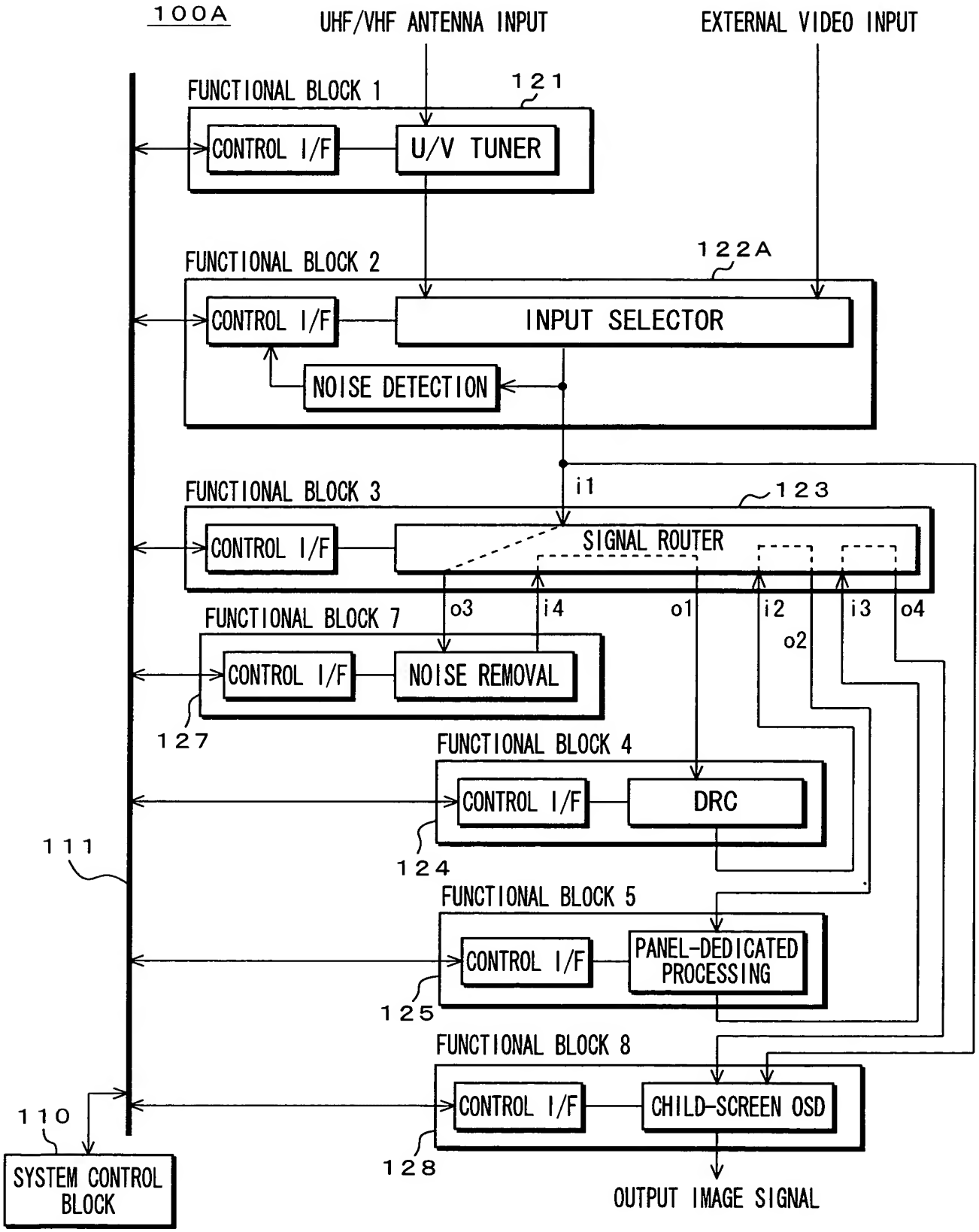

100A
UHF/VHF ANTENNA INPUT
EXTERNAL VIDEO INPUT
FUNCTIONAL BLOCK 1
121
CONTROL I/F
U/V TUNER
FUNCTIONAL BLOCK 2
122A
CONTROL I/F
INPUT SELECTOR
NOISE DETECTION
i1
FUNCTIONAL BLOCK 3
123
CONTROL I/F
SIGNAL ROUTER
o3
i4
o1
i2
i3
o4
o2
FUNCTIONAL BLOCK 7
CONTROL I/F
NOISE REMOVAL
127
FUNCTIONAL BLOCK 4
CONTROL I/F
DRC
124
111
FUNCTIONAL BLOCK 5
CONTROL I/F
PANEL-DEDICATED PROCESSING
125
FUNCTIONAL BLOCK 8
CONTROL I/F
CHILD-SCREEN OSD
128
110
SYSTEM CONTROL BLOCK
OUTPUT IMAGE SIGNAL

FIG. 25

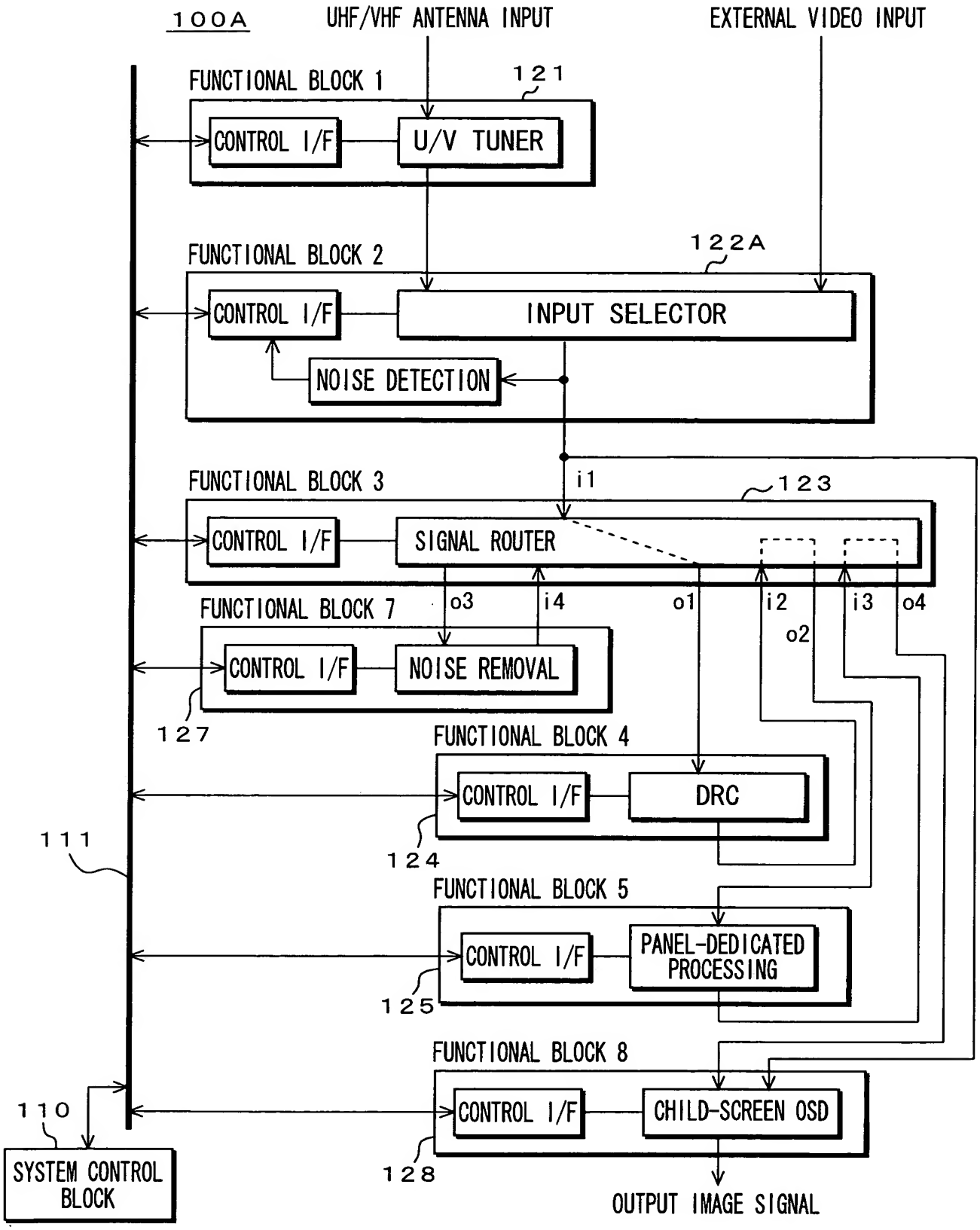

100A
UHF/VHF ANTENNA INPUT
EXTERNAL VIDEO INPUT
FUNCTIONAL BLOCK 1
121
CONTROL I/F
U/V TUNER
FUNCTIONAL BLOCK 2
122A
CONTROL I/F
INPUT SELECTOR
NOISE DETECTION
FUNCTIONAL BLOCK 3
i1
123
CONTROL I/F
SIGNAL ROUTER
FUNCTIONAL BLOCK 7
o3
i4
o1
i2
o2
i3
o4
CONTROL I/F
NOISE REMOVAL
127
FUNCTIONAL BLOCK 4
CONTROL I/F
DRC
124
111
FUNCTIONAL BLOCK 5
CONTROL I/F
PANEL-DEDICATED PROCESSING
125
FUNCTIONAL BLOCK 8
CONTROL I/F
CHILD-SCREEN OSD
128
110
SYSTEM CONTROL BLOCK
OUTPUT IMAGE SIGNAL

FIG. 26

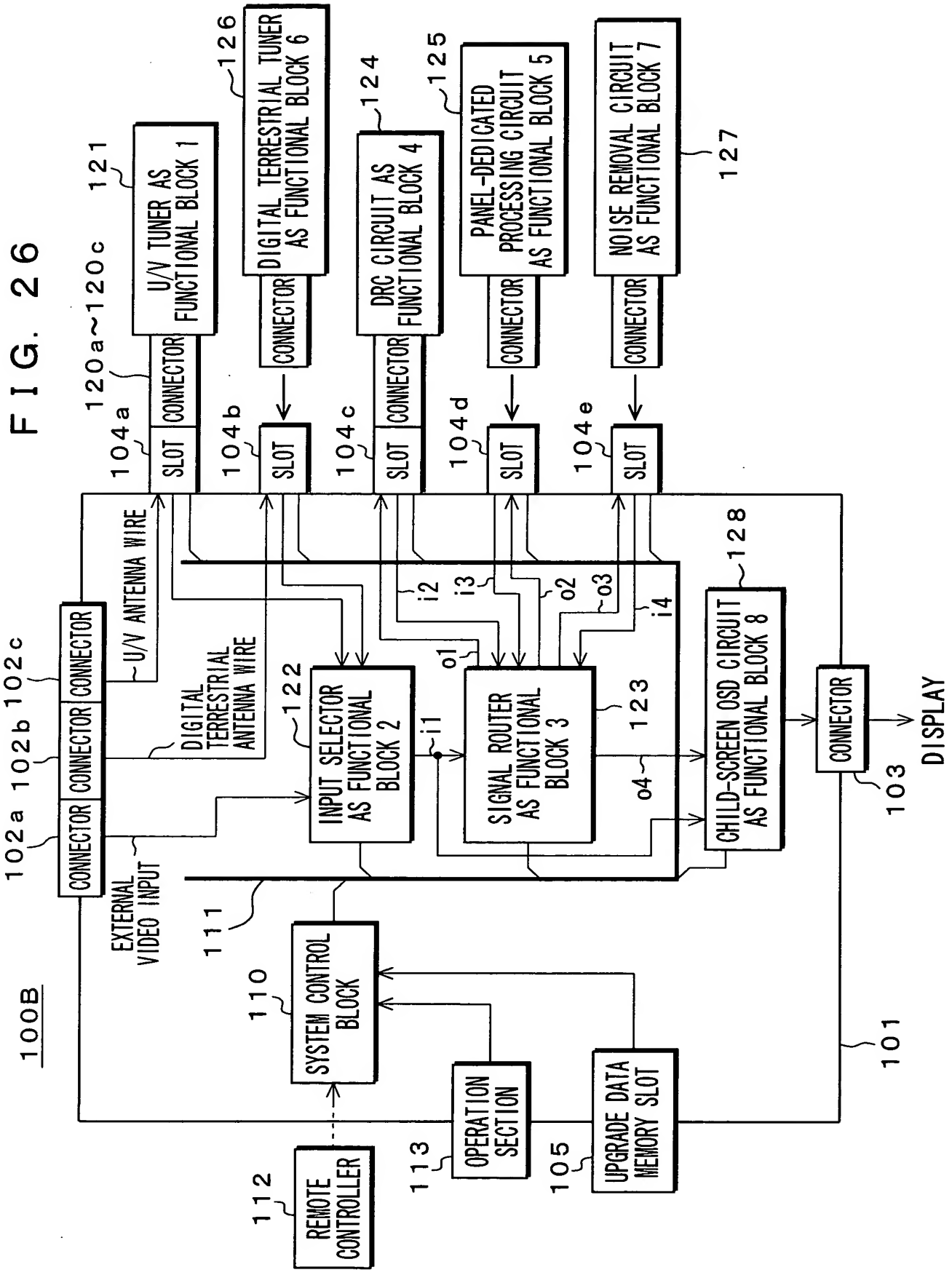

100B
U/V TUNER AS FUNCTIONAL BLOCK 1
121
DIGITAL TERRESTRIAL TUNER AS FUNCTIONAL BLOCK 6
126
DRC CIRCUIT AS FUNCTIONAL BLOCK 4
124
PANEL-DEDICATED PROCESSING CIRCUIT AS FUNCTIONAL BLOCK 5
125
NOISE REMOVAL CIRCUIT AS FUNCTIONAL BLOCK 7
127
CONNECTOR
SLOT
120a~120c
104a
104b
104c
104d
104e
U/V ANTENNA WIRE
DIGITAL TERRESTRIAL ANTENNA WIRE
102a 102b 102c
EXTERNAL VIDEO INPUT
111
INPUT SELECTOR AS FUNCTIONAL BLOCK 2
122
SIGNAL ROUTER AS FUNCTIONAL BLOCK 3
123
CHILD-SCREEN OSD CIRCUIT AS FUNCTIONAL BLOCK 8
128
i1
i2
i3
i4
o1
o2
o3
o4
CONNECTOR
103
DISPLAY
SYSTEM CONTROL BLOCK
110
REMOTE CONTROLLER
112
OPERATION SECTION
113
UPGRADE DATA MEMORY SLOT
105
101

FIG. 27

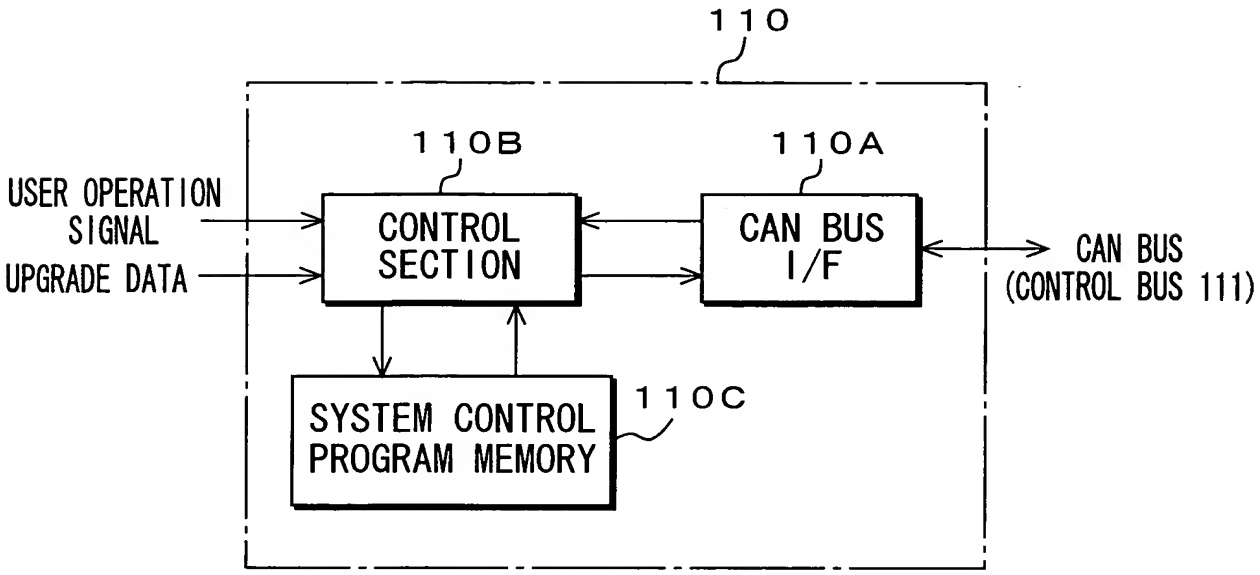


FIG. 28A

FIG. 28B

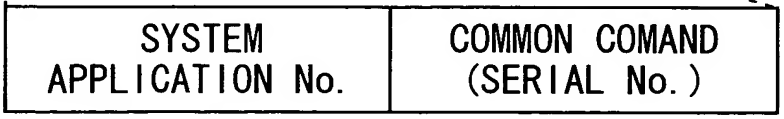


FIG. 29

COMMON COMMANDS	IDENTIFIERS (12 BIT)	MEANING OF COMMON COMMANDS	INITIAL VALUES	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA-FUNCTIONAL-BLOCK COMMANDS
ch(1)-ch(12)	0xC01 -0xC0C	CHANNEL Nos. 1-12	LAST MEMORY	1:U/V TUNER	ch(1-12)	SWITCH OF CHANNEL
				8:CHILD-SCREEN OSD	writeInputUVch(1-12)	DISPLAY OF CHANNEL
in(1)-in(3)	0xA01	1: UHF/VHF; 2: DIGITAL TERRESTRIAL; 3: VIDEO	LAST MEMORY	2:INPUT SELECTOR	in(1-3)	SWITCH OF INPUT
				8:CHILD-SCREEN OSD	writeInput(1-3)	DISPLAY OF INPUT
DRCvolExec (on/off)	0x501	SWITCH OF DRC VOLUME PROCESSING	DRCvol Exec (on)	8:CHILD-SCREEN OSD	writeProcessVol(on/off)	DISPLAY OF DRC VOLUME PROCESSING
					displayInput(in1/in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
					displaySize(in1, size1)/displaySize(in2, size1)	IMAGE SIZE
DRCvol (resolutionVal, noiseVal)	0x502	ADJUSTMENT OF DRC RESULUTION AXIS AND NOISE AXIS	LAST MEMORY	4:DRC	volume(resolutionVal, noiseVal)	SUBSTITUTION OF DRC (RESOLUTION AXIS, NOISE AXIS) VOLUME VALUE
				8:CHILD-SCREEN OSD	writeProcessDRCvol(resolutionVal, noiseVal)	DISPLAY OF DRC VOLUME VALUE
				7:NOISE REMOVAL	noiseSuppress(noiseVal)	SUBSTITUTION OF NOISE SUPPRESSION VALUE
Initialize Connect (1/2/3/4/5)	0x001	INTER-FUNCTIONAL-BLOCK CONNECTIONS 1-5	LAST MEMORY	3:SIGNAL ROUTER	route(1/2/3)	SWITCH OF INTER-PROCESSING-SUBSTRATE CONNECTION
				8:CHILD-SCREEN OSD	writeRoute(1/2/3/4/5)	DISPLAY OF CONNECTION STATUS

FIG. 30

COMMON COMMANDS	IDENTIFIERS (12 BIT)	MEANING OF COMMON COMMANDS	INITIAL VALUES	FUNCTIONAL BLOCKS IN CHARGE	INTRA-FUNCTIONAL-BLOCK COMMANDS	MEANING OF INTRA-FUNCTIONAL-BLOCK COMMANDS
ch(1)-ch(12)	0xC01 -0xC0C	CHANNEL Nos. 1-12	LAST MEMORY	1:U/V TUNER	ch(1-12)	SWITCH OF CHANNEL
				8:CHILD-SCREEN OSD	writeInputUVch(1-12)	DISPLAY OF CHANNEL
in(1)-in(3)	0xA01	1: UHF/VHF; 2: DIGITAL TERRESTRIAL; 3: VIDEO	LAST MEMORY	2:INPUT SELECTOR	in(1-3)	SWITCH OF INPUT
				8:CHILD-SCREEN OSD	writeInput(1-3)	DISPLAY OF INPUT
DRCvolExec (on/off)	0x501	SWITCH OF DRC VOLUME PROCESSING	DRCvol Exec (on)	8:CHILD-SCREEN OSD	writeProcessVol(on/off)	DISPLAY OF DRC VOLUME PROCESSING
					displayInput(in1/in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
					displaySize(in1, size1)/displaySize(in2, size1)	IMAGE SIZE
DRCvol (resolutionVal, noiseVal)	0x502	ADJUSTMENT OF DRC RESULUTION AXIS AND NOISE AXIS	LAST MEMORY	4:DRC	volume(resolutionVal, noiseVal)	SUBSTITUTION OF DRC (RESOLUTION AXIS, NOISE AXIS) VOLUME VALUE
				8:CHILD-SCREEN OSD	writeProcessDRCvol(resolutionVal, noiseVal)	DISPLAY OF DRC VOLUME VALUE
				7:NOISE REMOVAL	noiseSuppress(noiseVal)	SUBSTITUTION OF NOISE SUPPRESSION VALUE
DRCzoomExec (on/off)	0x503	SWITCH OF DRC ZOOM PROCESSING	DRCzoom Exec (off)	4:DRC	zoom(InitRatio/1, InitHol/0, InitVer/0)	SUBSTITUTION OF DRC ZOOM INITIAL VALUE
				8:CHILD-SCREEN OSD	writeProcessZoom(on/off)	DISPLAY OF DRC ZOOM PROCESSING
					displayInput(in1, in2/in1 or in2)	SWITCH OF CHILD-SCREEN INPUT SOURCE
					displaySize(in1, size1), displaySize(in2, size0.25) /displaySize(in1 or in2, size1)	IMAGE SIZE
					writeZoomFrame(InitRatio, InitHol, InitVer/off)	DISPLAY OF ZOOM FRAME ON CHILD SCREEN
					writeProcessDRCzoom(InitRatio, InitHol, InitVer /off)	DISPLAY OF INITIAL VALUES OF DRC ZOOM RATIO AND POSITIONS
DRCzoom (ratioVal, holizontalVal, verticalVal)	0x504	ADJUSTMENT OF DRC ZOOM RATIO AND POSITIONS	DRCzoom (InitRatio, InitHol, initVer)	4:DRC	zoom(ratioVal, holizontalVal, verticalVal)	SUBSTITUTION OF DRC ZOOM VALUE
				8:CHILD-SCREEN OSD	writeZoomFrame(ratioVal, holizontalVal , verticalVal)	DISPLAY OF ZOOM FRAME ON CHILD SCREEN
					writeProcessDRCzoom(ratioVal, holizontalVal , verticalVal)	DISPLAY OF DRC ZOOM RATIO AND POSITIONS
Initialize Connect (1/2/3/4/5)	0x001	INTER-FUNCTIONAL-BLOCK CONNECTIONS 1-5	LAST MEMORY	3:SIGNAL ROUTER	route(1/2/3)	SWITCH OF INTER-PROCESSING-SUBSTRATE CONNECTION
				8:CHILD-SCREEN OSD	writeRoute(1/2/3/4/5)	DISPLAY OF CONNECTION STATUS

FIG. 31

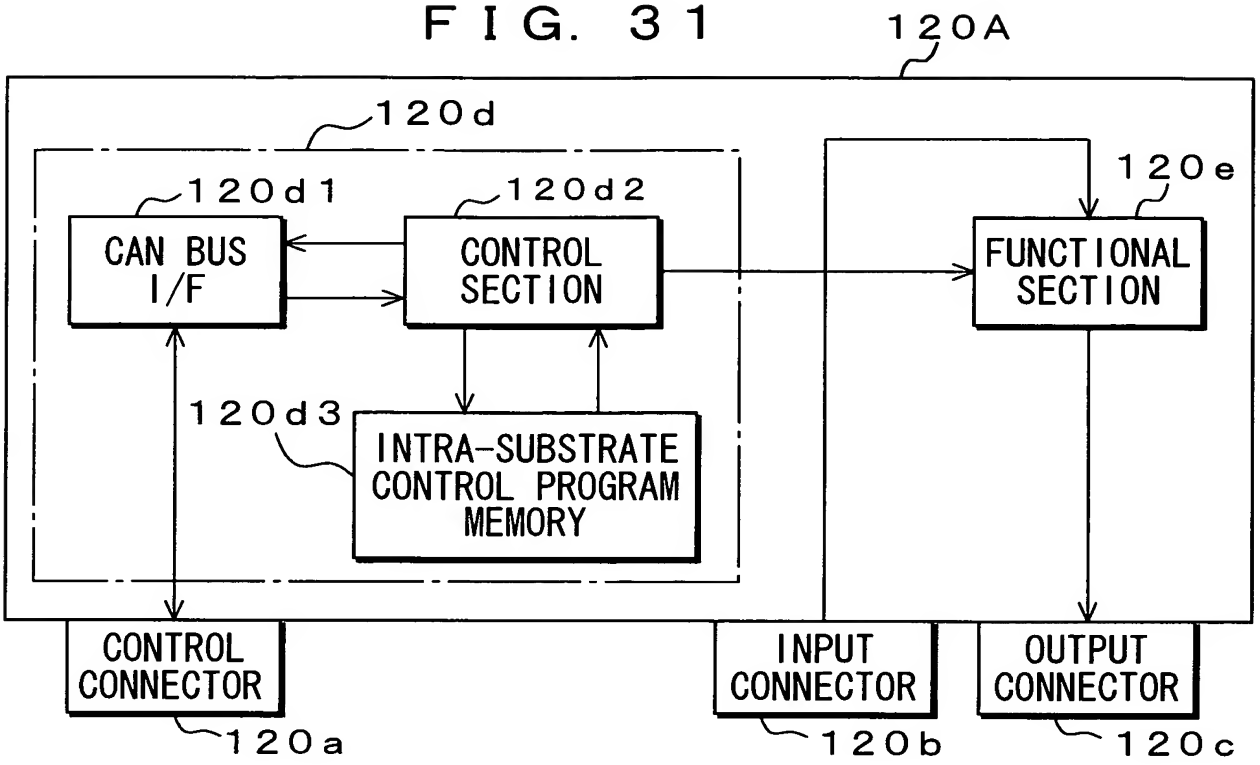

120A
120d
120d1
120d2
120e
CAN BUS I/F
CONTROL SECTION
FUNCTIONAL SECTION
120d3
INTRA-SUBSTRATE CONTROL PROGRAM MEMORY
CONTROL CONNECTOR
120a
INPUT CONNECTOR
120b
OUTPUT CONNECTOR
120c

FIG. 32

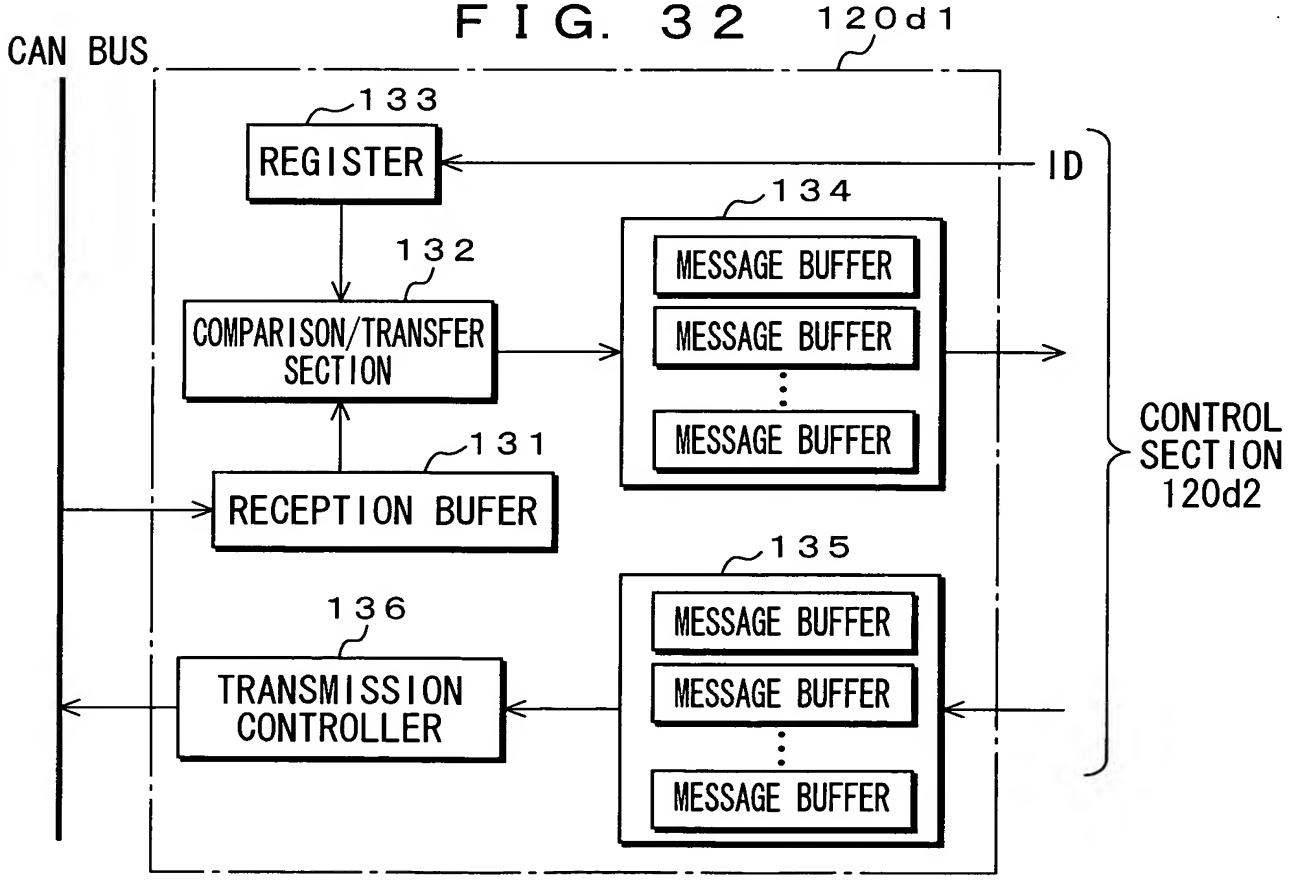

CAN BUS
120d1
133
REGISTER
ID
134
132
MESSAGE BUFFER
MESSAGE BUFFER
MESSAGE BUFFER
COMPARISON/TRANSFER SECTION
131
RECEPTION BUFER
CONTROL SECTION 120d2
135
136
MESSAGE BUFFER
MESSAGE BUFFER
MESSAGE BUFFER
TRANSMISSION CONTROLLER

FIG. 33A

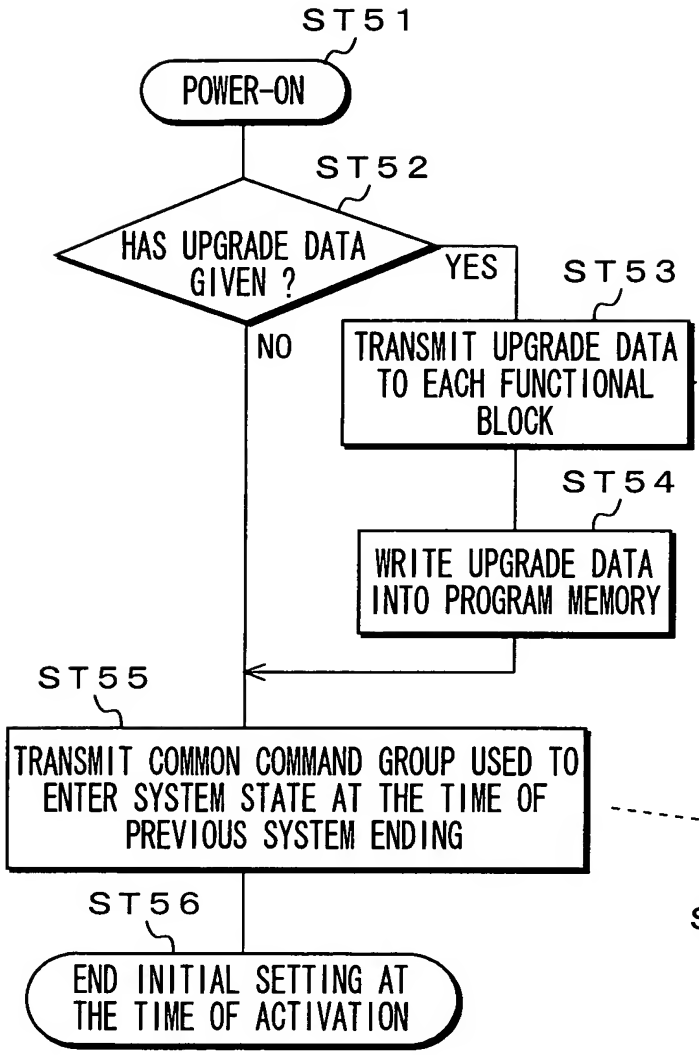


FIG. 33B

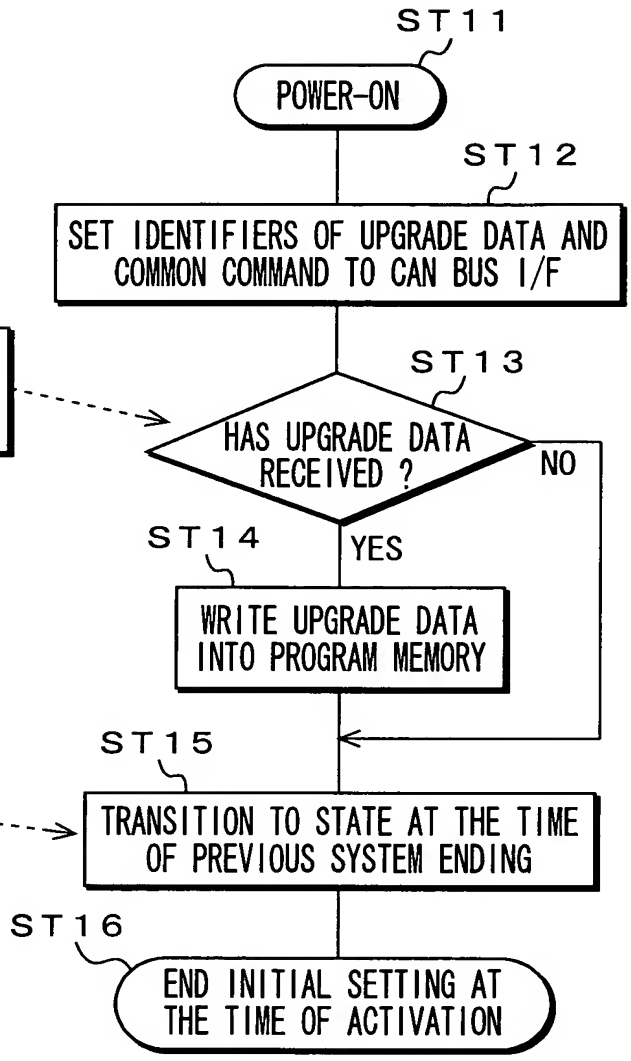


FIG. 34

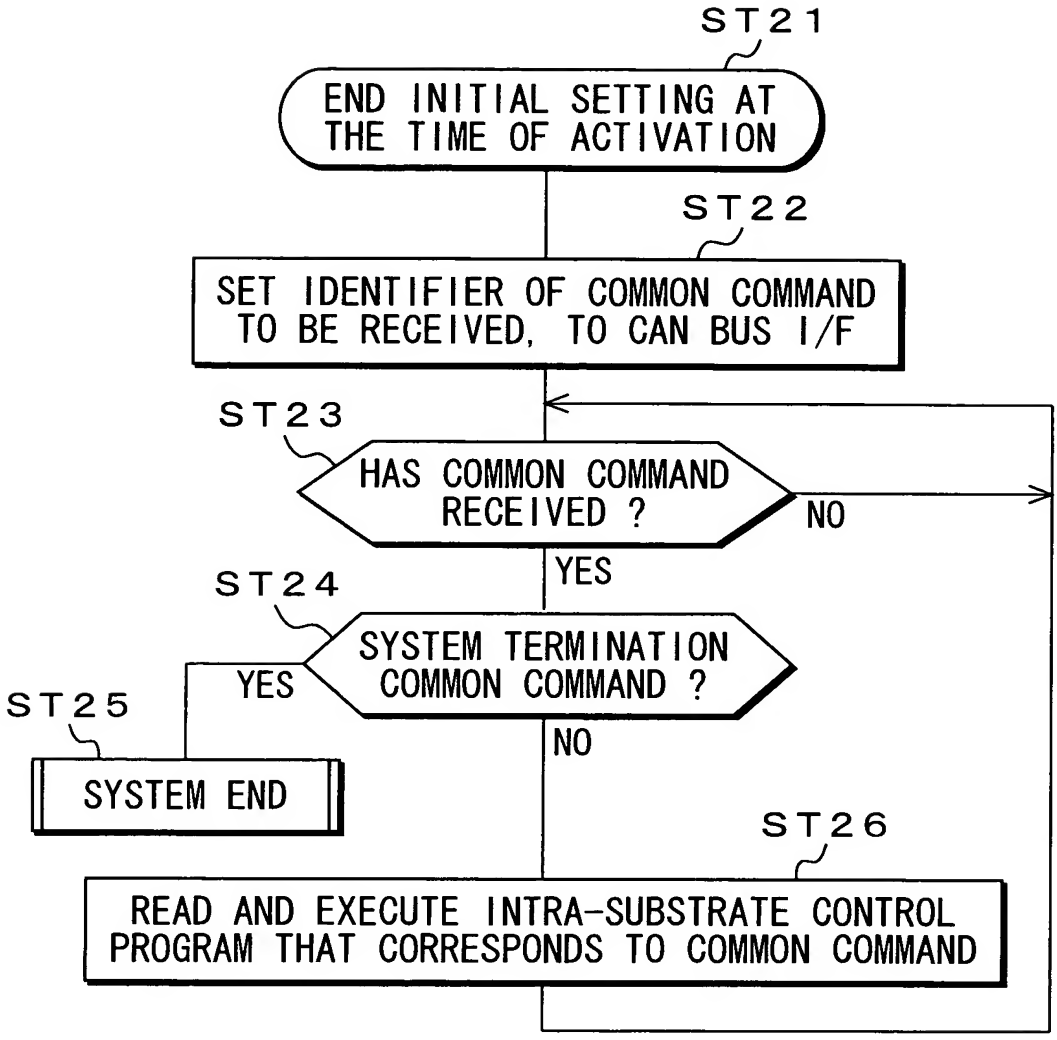

ST21
END INITIAL SETTING AT THE TIME OF ACTIVATION
ST22
SET IDENTIFIER OF COMMON COMMAND TO BE RECEIVED, TO CAN BUS I/F
ST23
HAS COMMON COMMAND RECEIVED ?
NO
YES
ST24
SYSTEM TERMINATION COMMON COMMAND ?
YES
ST25
SYSTEM END
NO
ST26
READ AND EXECUTE INTRA-SUBSTRATE CONTROL PROGRAM THAT CORRESPONDS TO COMMON COMMAND

FIG. 35A

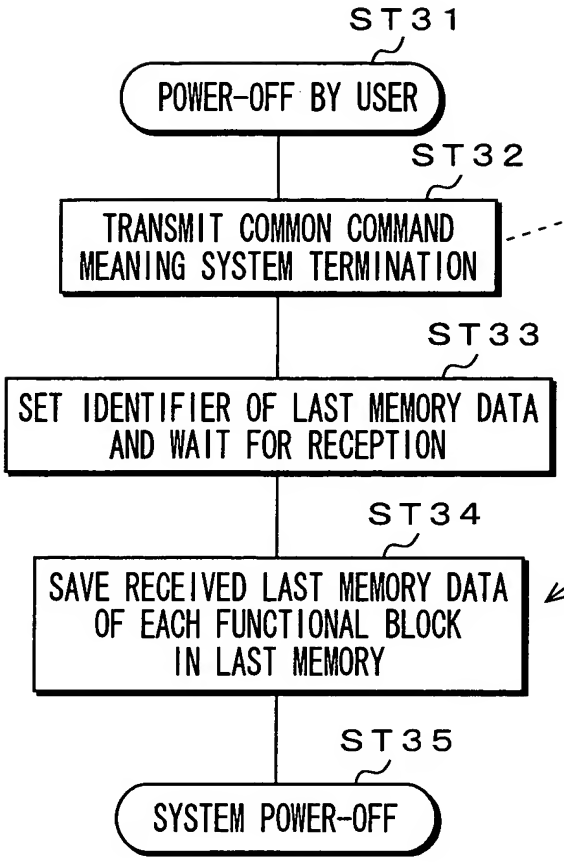


FIG. 35B